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The Trusted Integrator for Sustainable Solutions

September 29, 2009

Mr. Jim Augustyn  
On-Scene Coordinator  
Emergency Response Branch  
U.S. Environmental Protection Agency Region V  
25089 Center Ridge Road  
Westlake, Ohio 48138-1697

**Subject:** Asbestos Survey Overview  
**General Industries Asbestos Fund Lead Removal**  
**Elyria, Lorain County, Ohio**  
**Technical Direction Document No.: S05-0001-0909-010**  
**Contract No.: EP-S5-06-04**  
**Site Identification No.: B5QG**

Dear Mr. Augustyn:

The Weston Solutions, Inc. (WESTON<sup>®</sup>), Superfund Technical Assessment and Response Team (START) prepared this letter report in accordance with the requirements of Technical Direction Document (TDD) No. S05-0001-0909-010. As part of the removal action, U.S. EPA tasked WESTON START to oversee and document an asbestos survey of the fire-damaged portion of the General Industries facility located at 154 Olive Street in Elyria, Lorain County, Ohio (Site). The asbestos survey was subcontracted by the U.S. EPA's Emergency and Rapid Response Services (ERRS) contractor and conducted by Diamond Environmental Services. The asbestos survey was conducted in accordance with the U.S. EPA's Quality Assurance Procedures Plan (QAPP) for the Site, began on September 10, 2009, and was completed on September 15, 2009.

On July 3, 2008, a fire at the General Industries facility destroyed most of the buildings on the Site. The City of Elyria requested assistance from the Ohio Environmental Protection Agency (Ohio EPA) in conducting an assessment of the destroyed buildings. On July 17, 2008, the Ohio EPA reported that analytical results for samples collected from the building debris piles revealed the presence of asbestos-containing material (ACM). In September 2008, Ohio EPA requested assistance from the U.S. Environmental Protection Agency (U.S. EPA) in conducting a time-critical removal action at the Site.

In April 2004, an asbestos survey was performed on one portion of the facility (not destroyed in the fire) that was scheduled for demolition. The report found that there was ACM material greater than 1% in some of the pipe wrapping and tank insulation. The demolition work did not occur, and the asbestos was still in place at the time of the fire.



Mr. Jim Augustyn  
U.S. EPA

-2-

General Industries Site  
September 29, 2009

Due to the lack of documentation regarding the presence of ACM in all of the Site buildings prior to the fire, Ohio EPA's analytical results, and visual observations of suspect ACM in the building debris piles, the U.S. EPA conducted an asbestos survey of the building debris piles to determine the presence and amount of asbestos.

The sampling approach used when conducting an asbestos survey of an intact building is based upon the building's functional spaces and homogeneous areas. These criteria determine the quantity and location of bulk samples to be collected. Since the buildings at the Site were demolished due to the fire and subsequent emergency demolition activities, the traditional asbestos sampling approach could not be applied to the building debris piles. A site-specific sampling approach was developed by WESTON START to collect representative bulk samples of suspect asbestos building materials, by segregating the building debris piles according to the buildings' former locations prior to the fire. The basis for this sampling approach was to collect bulk samples of all suspect asbestos building materials from each building. This sampling approach is outlined in the U.S EPA's QAPP for the Site and provided a strong degree of probability that different types of suspect asbestos building materials would be identified and these building materials would be sampled from each building. This asbestos survey was limited to the collection and investigation of surficial building materials. No intrusive work was conducted to determine the vertical extent of asbestos contamination within the demolition debris.

Since the building materials were exposed to extreme heat due to the fire, samples of all friable and non-friable suspect ACMs were collected and submitted to the laboratory for analysis. Extreme heat from fire destroys the integrity of the binding matrix of these non-friable asbestos-containing materials and renders it a friable material.

The findings of this asbestos survey are summarized in four (4) tables and three (3) figures.

Table 1 identifies the quantity of suspect asbestos bulk samples that were collected and submitted for analysis per each designated building or area on the Site. Table 2 identifies the quantity of suspect asbestos samples that were analyzed by the laboratory per each designated building or area on the Site. Overall, the data generated from this asbestos survey indicate that ACMs were present in all of the surveyed buildings and/or areas on the Site. Tables 1 and 2 also indicate the percent of bulk samples collected (Table 1), and the percent of samples analyzed (Table 2), per building, which tested positive for asbestos.

Some clarification is required regarding the quantity of bulk samples collected and the quantity of laboratory analytical results generated. Per the Code of Federal Regulations, Title 40, Part



Mr. Jim Augustyn  
U.S. EPA

-3-

General Industries Site  
September 29, 2009

61.141 and 61.143, each layer in a multi-layered system (bulk sample of a building material consisting of more than one homogeneous material) is required to be analyzed as a separate material. The basis for this requirement is to ensure that no dilution occurs by combining layers of asbestos-containing material with layers of non-asbestos-containing material. A total of 225 bulk samples were collected. Of these 225 samples, laboratory analysis was conducted on 286 building materials. Site-specific examples of multi-layered bulk samples submitted to the laboratory for analysis included, but were not limited to, floor tile and associated mastic, built-up asphaltic roofing material and associated tar, and surfacing plaster. The difference in the quantity of bulk samples collected and quantity of samples analyzed is outlined in Table 1 and Table 2.

Asbestos bulk sample quantities and analytical results are further defined in Table 3 and Table 4. Table 3 provides information on all the bulk samples collected during the asbestos survey, including a description of each sampled material, the location of each sample collected, and the presence and percentage of asbestos detected in each sample. Table 4 provides this information on only the bulk samples that tested positive for asbestos (any detectable asbestos fibers).

Based on the analytical data presented in Table 3 and GPS coordinates collected during the asbestos survey, the sampling locations for all bulk samples have been identified in Figure 1 and Figure 2. Figure 1 identifies the former footprints of the Site buildings prior to the fire, the locations of all bulk samples collected, and which sampling locations tested positive or negative for asbestos. Figure 2 identifies the same information as Figure 1, but without the former footprints of the Site buildings. Figure 3 identifies only the bulk sampling locations that tested positive for asbestos, and the percentage of asbestos detected in each sample, as summarized in Table 4.

Attachment C includes photographs and descriptions of the designated buildings and areas on the Site and some of the bulk samples collected during the asbestos survey that tested positive for asbestos.

Attachment D includes the laboratory analytical data from the asbestos survey.

Based on the analytical results, and the locations of the bulk samples that tested positive for asbestos, it is apparent that ACMs are present throughout all of the designated buildings and areas on the Site.



Mr. Jim Augustyn  
U.S. EPA

-4-

General Industries Site  
September 29, 2009

If you have any questions or comments about this report or need additional copies, please contact me at (440) 202-2804 or TJ McFarland at (440) 202-2802.

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Kiel".

Andy Kiel  
WESTON START Project Leader

Attachments:

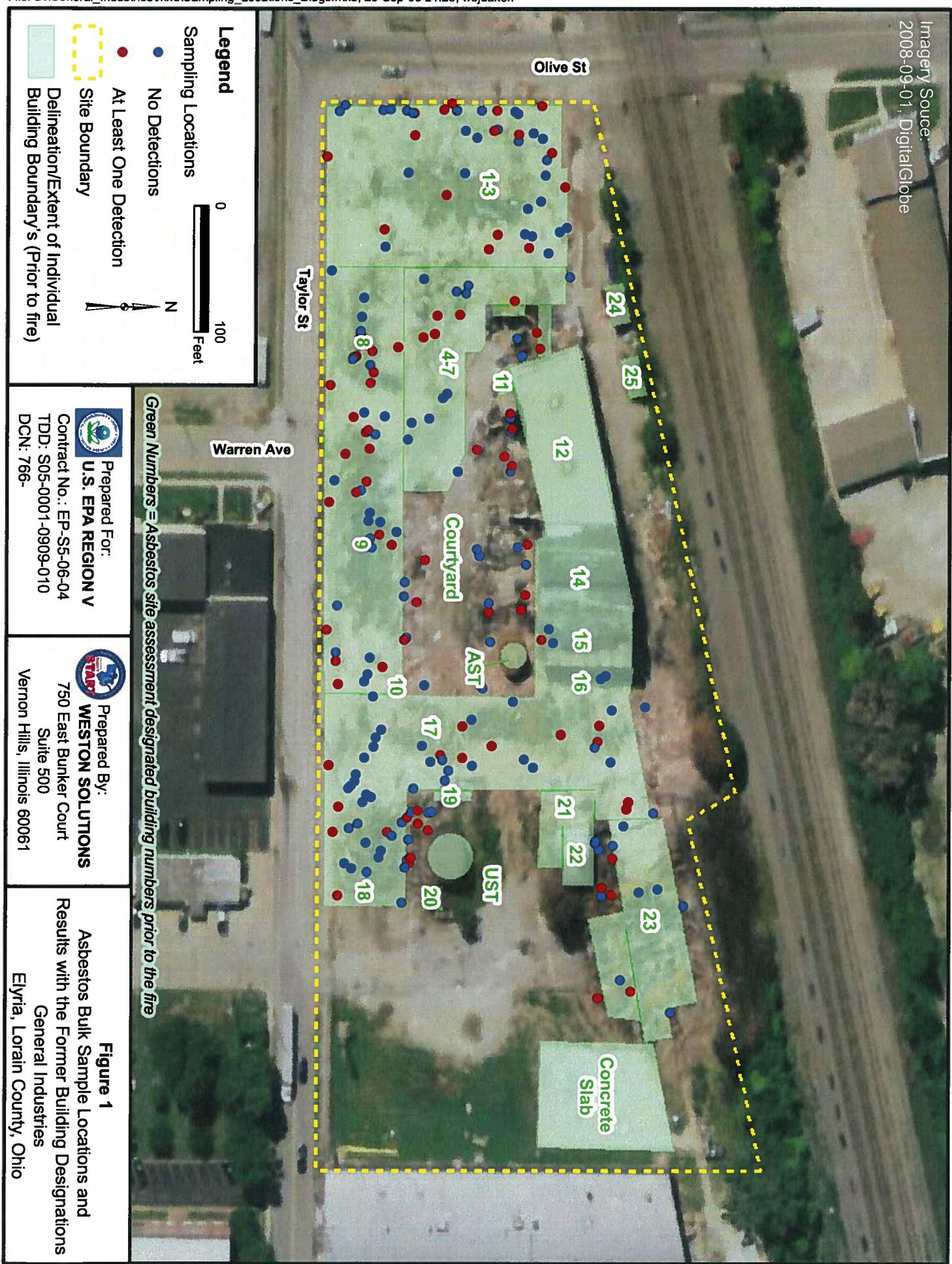
- A – Figures
- B – Tables
- C – Photographic Documentation
- D – Diamond Environmental Asbestos Bulk Survey Report

cc: WESTON START DCN Files

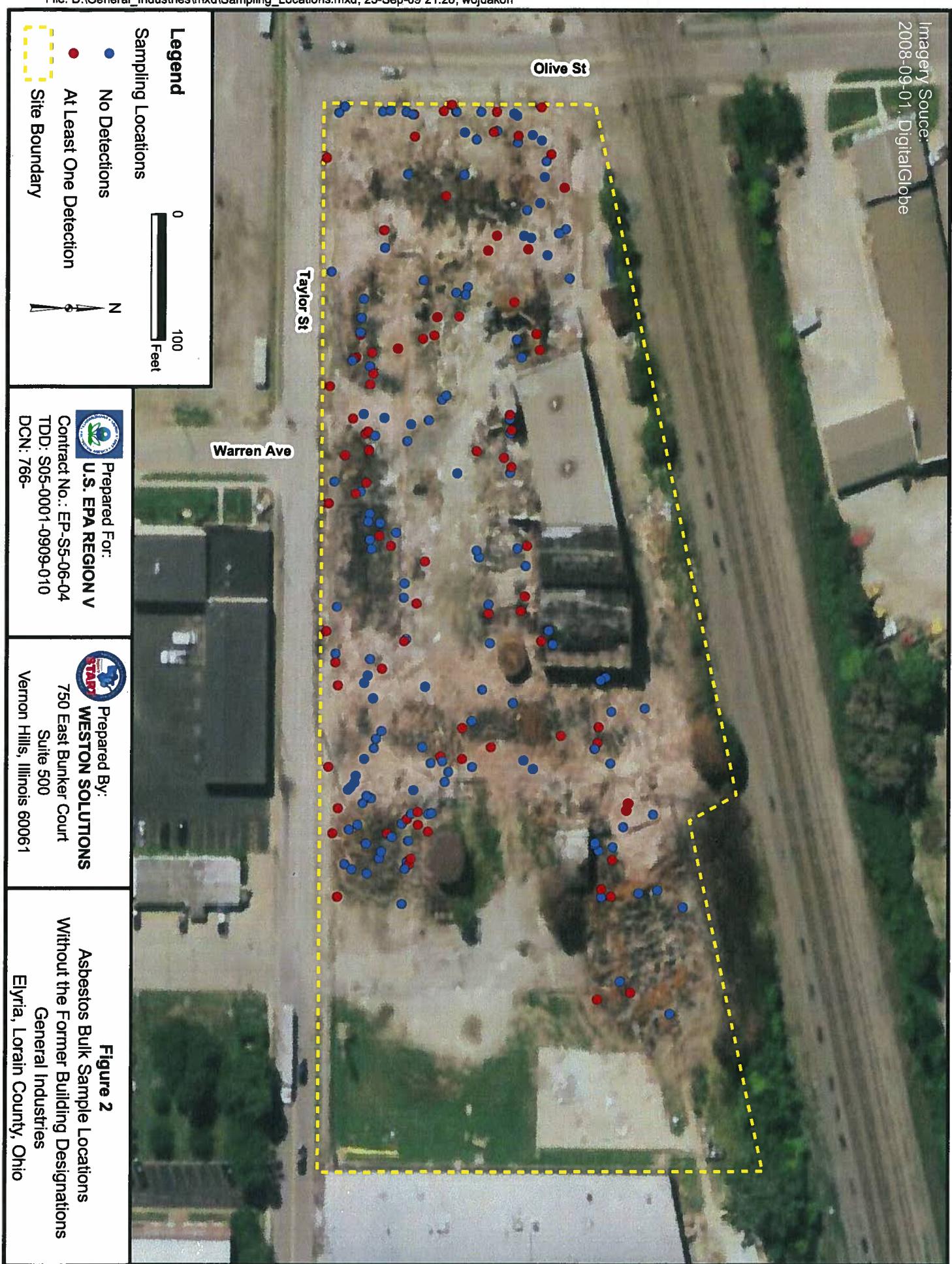
**ATTACHMENT A**

**FIGURES**

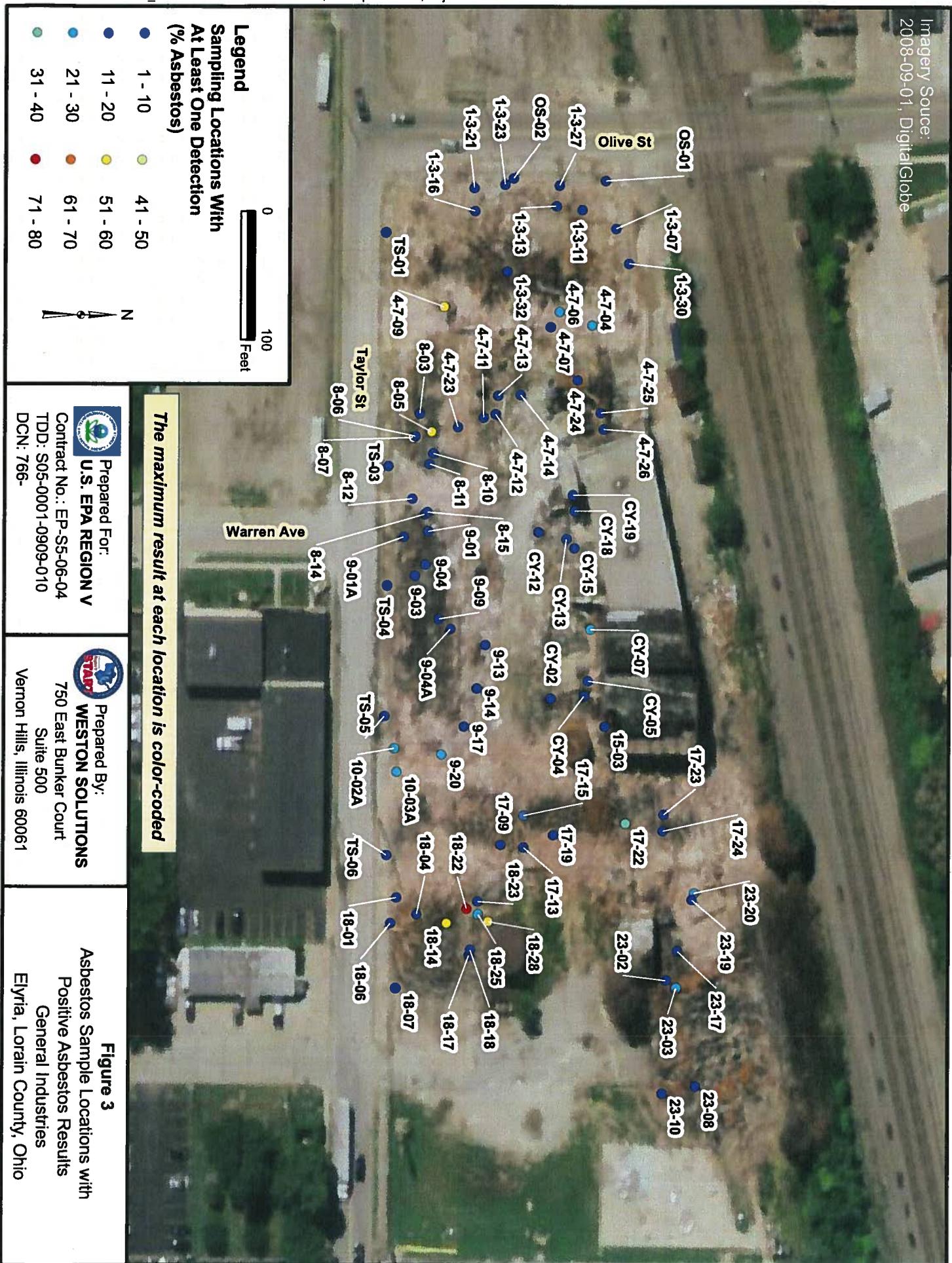
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Imagery Source:  
2008-09-01.DigitalGlobe



Imagery Source:  
2008-09-01, DigitalGlobe



**ATTACHMENT B**

**TABLES**

**Table 1**  
**United States Environmental Protection Agency**  
**General Industries Site Asbestos Survey**  
**Asbestos Bulk Samples Collected and Laboratory Analytical Results Per Building / Area**

<b>Building #</b>	<b># of Sample Collected</b>	<b>Positive</b>	<b>Negative</b>	<b>Collected Percent Asbestos</b>
1 - 3	33	9	24	27.3
4 - 7	28	12	16	42.9
8	17	9	8	52.9
9	26	10	16	38.5
10	6	2	4	33.3
17	34	7	27	20.6
23	21	7	14	33.3
18	29	10	19	34.5
15	3	1	2	33.3
CY	19	9	10	47.4
OS	3	2	1	66.7
TS	6	5	1	83.3
<b>Totals</b>	<b>225</b>	<b>83</b>	<b>142</b>	<b>36.9</b>

# of Samples Collected = Quantity of bulk samples collected per building/area.

Positive = Number of bulk samples that tested positive for asbestos (any asbestos fibers detected).

Negative = Number of bulk samples in which no asbestos fibers were detected.

Collected Percent Asbestos = The percentage of collected bulk samples which tested positive for asbestos.

CY = Courtyard

OS = Olive Street sidewalk

TS = Taylor Street sidewalk

**Table 2**  
**United States Environmental Protection Agency**  
**General Industries Site Asbestos Survey**  
**Asbestos Bulk Samples Analyzed and Laboratory Analytical Results Per Building / Area**

<b>Building #</b>	<b># of Samples Analyzed</b>	<b>Positive</b>	<b>Negative</b>	<b>Analyzed Percent Asbestos</b>
1 - 3	51	19	32	37.2
4 - 7	33	12	21	36.4
8	22	10	12	45.5
9	32	12	20	37.5
10	7	2	5	28.6
17	43	7	30	16.3
23	23	7	16	30.4
18	39	14	25	35.9
15	6	1	5	16.7
CY	21	9	12	42.9
OS	3	2	1	66.7
TS	6	5	1	83.3
<b>Totals</b>	<b>286</b>	<b>100</b>	<b>180</b>	<b>35.0</b>

# of Samples Analyzed = Quantity of different building materials analyzed per building / area.

Positive = Number of bulk samples that tested positive for asbestos (any asbestos fibers detected).

Negative = Number of bulk samples in which no asbestos fibers were detected.

Analyzed Percent Asbestos = The percentage of analyzed bulk samples which tested positive for asbestos.

CY = Courtyard

OS = Olive Street sidewalk

TS = Taylor Street sidewalk

**Table 3**  
**US Environmental Protection Agency**  
**General Industries Site Asbestos Survey**  
**Asbestos Bulk Sample Laboratory Analytical Results**

Sequence # Analyzed	Sequence # Sampled	Sample #	Building #	Sample Date	Material Description	Results (% Asbestos)
1	1	1-3-01	1 - 3	9/10/2009	Drywall	ND
2	2	1-3-02	1 - 3	9/10/2009	Red Brick	ND
3		1-3-02	1 - 3	9/10/2009	Gray Mortar	ND
4	3	1-3-03	1 - 3	9/10/2009	White Roofing Material	ND
5		1-3-03	1 - 3	9/10/2009	Black Roofing Material	ND
6	4	1-3-04	1 - 3	9/10/2009	Plaster Material	ND
7		1-3-04	1 - 3	9/10/2009	Black Mesh	ND
8	5	1-3-05	1 - 3	9/10/2009	Roofing / Tar Material	ND
9		1-3-06	1 - 3	9/10/2009	Brown Roofing Insulation	ND
10		1-3-07	1 - 3	9/10/2009	Red Floor Tile	2
11	7	1-3-07	1 - 3	9/10/2009	Black Mastic	<1
12		1-3-07	1 - 3	9/10/2009	White Floor Tile	<1
13		1-3-07	1 - 3	9/10/2009	Black Mastic	3
14	8	1-3-08	1 - 3	9/10/2009	Gray Roof Caulk	ND
15		1-3-09	1 - 3	9/10/2009	Red Brick	ND
16	9	1-3-09	1 - 3	9/10/2009	White Mortar	ND
17		1-3-09	1 - 3	9/10/2009	Black Tar	ND
18	10	1-3-10	1 - 3	9/10/2009	Black Roofing	ND
19		1-3-10	1 - 3	9/10/2009	Brown insulation	ND
20	11	1-3-11	1 - 3	9/10/2009	White Floor Tile	2
21		1-3-11	1 - 3	9/10/2009	Black Mastic	2
22	12	1-3-12	1 - 3	9/10/2009	Roof Material	ND
23		1-3-12	1 - 3	9/10/2009	Brown Insulation	ND
24	13	1-3-13	1 - 3	9/10/2009	12 x 12 Floor Tile	3
25		1-3-13	1 - 3	9/10/2009	Black Mastic	3
26	14	1-3-14	1 - 3	9/10/2009	Tar Coating on Stone	ND
27	15	1-3-15	1 - 3	9/10/2009	Red Brick	ND
28		1-3-15	1 - 3	9/10/2009	White Mortar	ND
29		1-3-16	1 - 3	9/10/2009	Red Floor Tile	3
30		1-3-16	1 - 3	9/10/2009	Black Mastic	2
31	16	1-3-16	1 - 3	9/10/2009	White Floor Tile	2
32		1-3-16	1 - 3	9/10/2009	Black Mastic	2
33		1-3-16	1 - 3	9/10/2009	Black Floor Tile	2
34		1-3-16	1 - 3	9/10/2009	Black Mastic	2
35	17	1-3-17	1 - 3	9/10/2009	Black Tar / Felt	ND
36	18	1-3-18	1 - 3	9/10/2009	Charred Debris	ND
37	19	1-3-19	1 - 3	9/10/2009	Black Roofing Material	ND
38	20	1-3-20	1 - 3	9/10/2009	Soil / Pulverized Debris	ND
39	21	1-3-21	1 - 3	9/10/2009	Cardboard	10
40	22	1-3-22	1 - 3	9/10/2009	Roofing Material w/ Fabric	ND
41	23	1-3-23	1 - 3	9/10/2009	Floor / Wall Material	2
42	24	1-3-24	1 - 3	9/10/2009	Circular Duct Gasket	ND
43	25	1-3-25	1 - 3	9/10/2009	Conduit / Pipe Felt Covering	ND
44	26	1-3-26	1 - 3	9/10/2009	Black Coating on Corrugated Metal	ND
45	27	1-3-27	1 - 3	9/10/2009	Pulverized Debris / Soil	<1
46	28	1-3-28	1 - 3	9/10/2009	Brown Roof Insulation	ND
47	29	1-3-29	1 - 3	9/10/2009	I-Beam Residual Material	ND
48	30	1-3-30	1 - 3	9/10/2009	Mastic / Caulk on Stone	4
49	31	1-3-31	1 - 3	9/10/2009	Thin Layer Cement / Plaster	ND
50	32	1-3-32	1 - 3	9/10/2009	White Fiberglass Sheeting	8
51	33	1-3-33	1 - 3	9/10/2009	Charred Debris	ND
52	34	4-7-01	4 - 7	9/10/2009	Drywall	ND
53	35	4-7-02	4 - 7	9/10/2009	Red Brick	ND
54		4-7-02	4 - 7	9/10/2009	Gray Mortar	ND
55	36	4-7-03	4 - 7	9/10/2009	Pipe Elbow Mud	ND
56	37	4-7-04	4 - 7	9/10/2009	Roofing Material	30
57	38	4-7-05	4 - 7	9/10/2009	Pipe Elbow Mud	ND
58	39	4-7-06	4 - 7	9/10/2009	Roofing Debris and Insulation	20
59	40	4-7-07	4 - 7	9/10/2009	Pulverized Building Material (Between Wall)	2
60	41	4-7-08	4 - 7	9/10/2009	Beige Brick	ND
61		4-7-08	4 - 7	9/10/2009	Gray Mastic	ND
62	42	4-7-09	4 - 7	9/10/2009	Roofing Material	60
63		4-7-09	4 - 7	9/10/2009	Brown Underlay	ND

**Table 3**  
**US Environmental Protection Agency**  
**General Industries Site Asbestos Survey**  
**Asbestos Bulk Sample Laboratory Analytical Results**

Sequence # Analyzed	Sequence # Sampled	Sample #	Building #	Sample Date	Material Description	Results (% Asbestos)
64	43	4-7-10	4 - 7	9/10/2009	Transite / Electrical Board	ND
65	44	4-7-11	4 - 7	9/10/2009	Pipe Joint Mud	<1
66	45	4-7-12	4 - 7	9/10/2009	Pipe Tar Covering	<1
67	46	4-7-13	4 - 7	9/10/2009	Pulverized Debris / Soil	<1
68	47	4-7-14	4 - 7	9/10/2009	Pulverized Debris	2
69	48	4-7-15	4 - 7	9/10/2009	Electrical Box (Interior)	ND
70	49	4-7-16	4 - 7	9/10/2009	Gray Pumice Block	ND
71	50	4-7-17	4 - 7	9/10/2009	Black Felt	ND
72	51	4-7-18	4 - 7	9/10/2009	Roofing Material	ND
73	52	4-7-19	4 - 7	9/10/2009	Plaster (Steel Mesh)	ND
74	53	4-7-20	4 - 7	9/10/2009	Pulverized Debris	ND
75	54	4-7-21	4 - 7	9/10/2009	Pipe Joint Mud	ND
76	55	4-7-22	4 - 7	9/10/2009	Black Pipe Paint / Felt	ND
77		4-7-23	4 - 7	9/10/2009	Roofing Material	ND
78	56	4-7-23	4 - 7	9/10/2009	Black Roof Layer	ND
79		4-7-23	4 - 7	9/10/2009	Black Roof Layer	5
80	57	4-7-24	4 - 7	9/10/2009	Pulverized / Charred Debris	2
81	58	4-7-25	4 - 7	9/10/2009	Pulverized / Charred Debris	3
82	59	4-7-26	4 - 7	9/10/2009	Pulverized / Charred Debris	<1
83	60	4-7-27	4 - 7	9/10/2009	Wall Plaster	ND
84	61	4-7-28	4 - 7	9/10/2009	Drywall	ND
85	62	8-01	8	9/11/2009	Plaster / Cement (Chicken Wire)	ND
86	63	8-02	8	9/11/2009	Plaster / Cement (Mesh)	ND
87	64	8-03	8	9/11/2009	Floor Tile	3
88	65	8-04	8	9/11/2009	Plaster	ND
89	66	8-05	8	9/11/2009	White Cardboard / Paper	60
90		8-06	8	9/11/2009	Floor Tile	2
91		8-06	8	9/11/2009	Black Mastic	2
92	68	8-07	8	9/11/2009	Paper / Felt	60
93	69	8-08	8	9/11/2009	Molten Material	ND
94	70	8-09	8	9/11/2009	Brick Mortar / Surfacing	ND
95		8-10	8	9/11/2009	Roofing Material	ND
96		8-10	8	9/11/2009	Gray Roofing	10
97		8-10	8	9/11/2009	Brown Underlay	ND
98	72	8-11	8	9/11/2009	Charred / Pulverized Debris	<1
99	73	8-12	8	9/11/2009	Felt / Paper	7
100		8-13	8	9/11/2009	Red Brick	ND
101	74	8-13	8	9/11/2009	Gray Mortar	ND
102	75	8-14	8	9/11/2009	Brown Floor Tile	3
103	76	8-15	8	9/11/2009	Pulverized / Charred Debris	3
104		8-16	8	9/11/2009	Floor Tile	ND
105		8-16	8	9/11/2009	Yellow Adhesive	ND
106	78	8-17	8	9/11/2009	Plaster	ND
107		9-01	9	9/11/2009	Roof Felt	ND
108	79	9-01	9	9/11/2009	Black Roofing	5
109		9-01	9	9/11/2009	Black Roofing	<1
110	80	9-02	9	9/11/2009	Pipe Elbow Mud	ND
111	81	9-03	9	9/11/2009	Charred Debris	2
112	82	9-04	9	9/11/2009	Floor Tile	3
113	83	9-05	9	9/11/2009	Roof Felt	ND
114	84	9-06	9	9/11/2009	Plaster	ND
115	85	9-07	9	9/11/2009	Unknown Material	ND
116	86	9-08	9	9/11/2009	Yellow Plaster	ND
117		9-09	9	9/11/2009	Floor Tile	2
118	87	9-09	9	9/11/2009	Black Mastic	2
119	88	9-10	9	9/11/2009	Charred Debris	ND
120	89	9-11	9	9/11/2009	Molten Material (Fiberglass)	ND
121		9-12	9	9/11/2009	Red Brick	ND
122	90	9-12	9	9/11/2009	Gray Mortar	ND
123	91	9-13	9	9/11/2009	Pipe Insulation (on Ground)	3
124	92	9-14	9	9/11/2009	Unknown White Powder	2
125	93	9-15	9	9/11/2009	Pulverized Debris (Plaster)	ND
126		9-16	9	9/11/2009	Pipe Elbow Mud	ND

**Table 3**  
**US Environmental Protection Agency**  
**General Industries Site Asbestos Survey**  
**Asbestos Bulk Sample Laboratory Analytical Results**

Sequence # Analyzed	Sequence # Sampled	Sample #	Building #	Sample Date	Material Description	Results (% Asbestos)
127	95	9-17	9	9/11/2009	Pulverized Debris	<1
128	96	9-18	9	9/11/2009	I-Beam Coating	ND
129	97	9-19	9	9/11/2009	Black Tar on Stone	ND
130	98	9-20	9	9/11/2009	Roof Felt	30
131	99	9-01A	9	9/14/2009	Debris	<1
132	100	9-02A	9	9/14/2009	Slate	ND
133	101	9-03A	9	9/14/2009	Electrical Ceramic insulation	ND
134	102	9-04A	9	9/14/2009	Pulverized Debris	2
135	103	9-05A	9	9/14/2009	Red Brick	ND
136		9-05A	9	9/14/2009	Gray Mortar	ND
137	104	9-06A	9	9/14/2009	Red Brick	ND
138		9-06A	9	9/14/2009	Gray Mortar	ND
139	105	10-01A	10	9/14/2009	Pipe Elbow Mud	ND
140	106	10-02A	10	9/14/2009	Felt Paper	20
141	107	10-03A	10	9/14/2009	Roofing Material	20
142	108	10-04A	10	9/14/2009	Black Tar on Stone	ND
143	109	10-05A	10	9/14/2009	Granular Material on Steel	ND
144	110	10-06A	10	9/14/2009	Red Brick	ND
145		10-06A	10	9/14/2009	Gray Mortar	ND
146	111	17-01	17	9/14/2009	Roofing Material	ND
147	112	17-02	17	9/14/2009	Plaster & Ceramic Tile	ND
148	113	17-03	17	9/14/2009	Pulverized Debris	ND
149		17-03	17	9/14/2009	Gray Plaster	ND
150	114	17-04	17	9/14/2009	12 x 12 Floor Tile	ND
151		17-04	17	9/14/2009	Gray Mastic	ND
152	115	17-05	17	9/14/2009	White Tile	ND
153		17-05	17	9/14/2009	Gray Plaster	ND
154	116	17-06	17	9/14/2009	Black & White Cable Insulation	ND
155	117	17-07	17	9/14/2009	Roofing Material	ND
156	118	17-08	17	9/14/2009	White Brick	ND
157		17-08	17	9/14/2009	White Mortar	ND
158	119	17-09	17	9/14/2009	Pulverized Debris	3
159	120	17-10	17	9/14/2009	Surface Cement / Tar / Plaster	ND
160	121	17-11	17	9/14/2009	Roofing Material	ND
161	122	17-12	17	9/14/2009	Tar on Corrugated Metal	ND
162	123	17-13	17	9/14/2009	Tar on Brick	3
163	124	17-14	17	9/14/2009	Red Mortar on Brick	ND
164	125	17-15	17	9/14/2009	Roofing Material	15
165	126	17-16	17	9/14/2009	Ceramic in Metal Box	ND
166	127	17-17	17	9/14/2009	Black Tar on Red Brick	ND
167	128	17-18	17	9/14/2009	Debris	ND
168		17-18	17	9/14/2009	Gray Material	ND
169	129	17-19	17	9/14/2009	Black Tar on Red Brick	5
170	130	17-20	17	9/14/2009	Pulverized Debris	ND
171	131	17-21	17	9/14/2009	Red Brick	ND
172		17-21	17	9/14/2009	White Mortar	ND
173		17-21	17	9/14/2009	Gray Mortar	ND
174	132	17-22	17	9/14/2009	Tar on Red Brick	40
175	133	17-23	17	9/14/2009	Tar Paper on Stone	10
176	134	17-24	17	9/14/2009	Pulverized / Charred Debris	3
177	135	17-25	17	9/14/2009	Felt / Tar on Stone	ND
178	136	17-26	17	9/14/2009	Cement on Steel Beam	ND
179	137	17-27	17	9/14/2009	Coating on I-Beam	ND
180	138	17-28	17	9/14/2009	Tar on Brick	ND
181	139	17-29	17	9/14/2009	Tar Paper on Metal Sheeting	ND
182	140	17-30	17	9/14/2009	I-Beam Coating	ND
183	141	23-01	23	9/14/2009	Interior Cabinet Coating	ND
184	142	23-02	23	9/14/2009	Pulverized Debris	3
185	143	23-03	23	9/14/2009	Black Debris	20
186	144	23-04	23	9/14/2009	Slate-like Material	ND
187	145	23-05	23	9/14/2009	Red Brick	ND
188		23-05	23	9/14/2009	Tan Mortar	ND
189	146	23-06	23	9/14/2009	Ceramic Part	ND

**Table 3**  
**US Environmental Protection Agency**  
**General Industries Site Asbestos Survey**  
**Asbestos Bulk Sample Laboratory Analytical Results**

Sequence # Analyzed	Sequence # Sampled	Sample #	Building #	Sample Date	Material Description	Results (% Asbestos)
190	147	23-07	23	9/14/2009	Brown Debris	ND
191	148	23-08	23	9/14/2009	Ground Debris	<1
192	149	23-09	23	9/14/2009	I-Beam Coating	ND
193	150	23-10	23	9/14/2009	Floor Tile / Mastic	8
194	151	23-11	23	9/14/2009	Interior Electrical Box	ND
195	152	23-12	23	9/14/2009	Black Debris	ND
196	153	23-13	23	9/14/2009	White Debris	ND
197	154	23-14	23	9/14/2009	Red Mortar on Brick	ND
198	155	23-15	23	9/14/2009	Coating Material	ND
199	156	23-16	23	9/14/2009	Electrical Insulator	ND
200	157	23-17	23	9/14/2009	Tan Floor Tile	2
201	158	23-18	23	9/14/2009	Tar Coating on Stone	ND
202	159	23-19	23	9/14/2009	Tar on Brick	6
203	160	23-20	23	9/14/2009	Roofing	20
204	161	23-21	23	9/14/2009	Red Brick	ND
205		23-21	23	9/14/2009	White Mortar	ND
206		17-31	17	9/14/2009	Cement / Plaster	ND
207		17-31	17	9/14/2009	Gray Plaster	ND
208		17-31	17	9/14/2009	Gray Plaster	ND
209	163	17-32	17	9/14/2009	Plaster	ND
210	164	17-33	17	9/14/2009	Tar on Sandstone	ND
211	165	17-34	17	9/14/2009	Debris	ND
212	166	18-01	18	9/14/2009	Roofing Material	3
213		18-01	18	9/14/2009	Gray Roofing	60
214		18-02	18	9/14/2009	Plaster	ND
215	167	18-02	18	9/14/2009	White Plaster	ND
216		18-03	18	9/14/2009	Black Tile	ND
217	168	18-03	18	9/14/2009	Gray Plaster	ND
218		18-03	18	9/14/2009	Gray Plaster	ND
219	169	18-04	18	9/14/2009	Pipe Coating	<1
220	170	18-05	18	9/14/2009	I-Beam Coating	ND
221	171	18-06	18	9/14/2009	Debris	<1
222	172	18-07	18	9/14/2009	Carpet and Backing	2
223	173	18-08	18	9/14/2009	I-Beam Coating	ND
224	174	18-09	18	9/14/2009	Wire Insulation	ND
225	175	18-10	18	9/14/2009	Electrical Component	ND
226	176	18-11	18	9/14/2009	Debris	ND
227		18-12	18	9/14/2009	Red Brick	ND
228	177	18-12	18	9/14/2009	Gray Mortar	ND
229		18-13	18	9/14/2009	Roofing	ND
230		18-13	18	9/14/2009	Gray Roofing	ND
231		18-13	18	9/14/2009	Gray Roofing	ND
232	179	18-14	18	9/14/2009	Fiberboard	60
233	180	18-15	18	9/14/2009	Tar on Stone	ND
234	181	18-16	18	9/14/2009	Electrical Insulator	ND
235	182	18-17	18	9/14/2009	Tar on Concrete	2
236	183	18-18	18	9/14/2009	Window Caulking	<1
237	184	18-19	18	9/14/2009	Electrical Wiring	ND
238	185	18-20	18	9/14/2009	Window Caulking	ND
239	186	18-21	18	9/14/2009	Tar Coating on Metal	ND
240		18-22	18	9/14/2009	Roofing Material	3
241		18-22	18	9/14/2009	Gray Paper	75
242		18-22	18	9/14/2009	Black Roofing	5
243	188	18-23	18	9/14/2009	Corrugated Metal Tar	<1
244		18-24	18	9/14/2009	Pipe Wrap	ND
245	189	18-24	18	9/14/2009	White Pipe Wrap	ND
246	190	18-25	18	9/14/2009	Fiberboard	30
247	191	18-26	18	9/14/2009	Steel Beam Coating	ND
248	192	18-27	18	9/14/2009	Tar on Corrugated Metal	ND
249	193	18-28	18	9/14/2009	Roofing Material	60
250	194	18-29	18	9/14/2009	Pulverized Debris	ND
251		15-01	15	9/14/2009	Roofing Material	ND
252	195	15-01	15	9/14/2009	Black Roofing	ND

**Table 3**  
**US Environmental Protection Agency**  
**General Industries Site Asbestos Survey**  
**Asbestos Bulk Sample Laboratory Analytical Results**

Sequence # Analyzed	Sequence # Sampled	Sample #	Building #	Sample Date	Material Description	Results (% Asbestos)
253	196	15-02	15	9/14/2009	Roofing Material	ND
254		15-02	15	9/14/2009	Black Roofing	ND
255		15-03	15	9/14/2009	Roofing Material	ND
256	197	15-03	15	9/14/2009	Black Roofing	10
257	198	CY-01	CY	9/14/2009	Tar on Stone	ND
258	199	CY-02	CY	9/14/2009	Debris	<1
259		CY-03	CY	9/14/2009	Pipe Wrap (Black Felt)	ND
260	200	CY-03	CY	9/14/2009	White TSI Material	ND
261	201	CY-04	CY	9/14/2009	Debris	4
262	202	CY-05	CY	9/14/2009	Debris	<1
263	203	CY-06	CY	9/14/2009	Coating on Corrugated Metal	ND
264	204	CY-07	CY	9/14/2009	Pipe Insulation on Ground	30
265	205	CY-08	CY	9/14/2009	I-Beam Coating	ND
266	206	CY-09	CY	9/14/2009	Roof Material	ND
267	207	CY-10	CY	9/14/2009	Debris	ND
268		CY-11	CY	9/14/2009	Debris	ND
269		CY-11	CY	9/14/2009	Gray Mortar	ND
270	209	CY-12	CY	9/14/2009	Pipe Joint Mud	5
271	210	CY-13	CY	9/14/2009	Electrical Component	8
272	211	CY-14	CY	9/14/2009	Unknown White Roll	ND
273	212	CY-15	CY	9/14/2009	Pipe Insulation (wall)	5
274	213	CY-16	CY	9/14/2009	Wire Coating	ND
275	214	CY-17	CY	9/14/2009	Electrical Insulator Panel	ND
276	215	CY-18	CY	9/14/2009	Debris	<1
277	216	CY-19	CY	9/14/2009	Debris	4
278	217	OS-01	OS	9/14/2009	Sidewalk Debris	<1
279	218	OS-02	OS	9/14/2009	Sidewalk Debris	2
280	219	OS-03	OS	9/14/2009	Sidewalk Debris	ND
281	220	TS-01	TS	9/14/2009	Sidewalk Debris	<1
282	221	TS-02	TS	9/14/2009	Sidewalk Debris	ND
283	222	TS-03	TS	9/14/2009	Sidewalk Debris	<1
284	223	TS-04	TS	9/14/2009	Sidewalk Debris	<1
285	224	TS-05	TS	9/14/2009	Sidewalk Debris	<1
286	225	TS-06	TS	9/14/2009	Sidewalk Debris	<1

ND = Non-detect for any asbestos fibers

CY = Courtyard

OS = Olive Street sidewalk

TS = Taylor Street sidewalk

**Table 4**  
**US Environmental Protection Agency**  
**General Industries Site Asbestos Survey**  
**Bulk Sample Laboratory Analytical Results of Only Positive Asbestos Samples**

Sequence # Analyzed	Sequence # Sampled	Sample #	Building #	Sample Date	Material Description	Results (% Asbestos)
10		1-3-07	1 - 3	9/10/2009	Red Floor Tile	2
11	7	1-3-07	1 - 3	9/10/2009	Black Mastic	<1
12		1-3-07	1 - 3	9/10/2009	White Floor Tile	<1
13		1-3-07	1 - 3	9/10/2009	Black Mastic	3
20	11	1-3-11	1 - 3	9/10/2009	White Floor Tile	2
21		1-3-11	1 - 3	9/10/2009	Black Mastic	2
24	13	1-3-13	1 - 3	9/10/2009	12 x 12 Floor Tile	3
25		1-3-13	1 - 3	9/10/2009	Black Mastic	3
29		1-3-16	1 - 3	9/10/2009	Red Floor Tile	3
30		1-3-16	1 - 3	9/10/2009	Black Mastic	2
31	16	1-3-16	1 - 3	9/10/2009	White Floor Tile	2
32		1-3-16	1 - 3	9/10/2009	Black Mastic	2
33		1-3-16	1 - 3	9/10/2009	Black Floor Tile	2
34		1-3-16	1 - 3	9/10/2009	Black Mastic	2
39	21	1-3-21	1 - 3	9/10/2009	Cardboard	10
41	23	1-3-23	1 - 3	9/10/2009	Floor / Wall Material	2
45	27	1-3-27	1 - 3	9/10/2009	Pulverized Debris / Soil	<1
48	30	1-3-30	1 - 3	9/10/2009	Mastic / Caulk on Stone	4
50	32	1-3-32	1 - 3	9/10/2009	White Fiberglass Sheeting	8
56	37	4-7-04	4 - 7	9/10/2009	Roofing Material	30
58	39	4-7-06	4 - 7	9/10/2009	Roofing Debris and insulation	20
59	40	4-7-07	4 - 7	9/10/2009	Pulverized Building Material (Between Wall)	2
62	42	4-7-09	4 - 7	9/10/2009	Roofing Material	60
65	44	4-7-11	4 - 7	9/10/2009	Pipe Joint Mud	<1
66	45	4-7-12	4 - 7	9/10/2009	Pipe Tar Covering	<1
67	46	4-7-13	4 - 7	9/10/2009	Pulverized Debris / Soil	<1
68	47	4-7-14	4 - 7	9/10/2009	Pulverized Debris	2
79		4-7-23	4 - 7	9/10/2009	Black Roof Layer	5
80	57	4-7-24	4 - 7	9/10/2009	Pulverized / Charred Debris	2
81	58	4-7-25	4 - 7	9/10/2009	Pulverized / Charred Debris	3
82	59	4-7-26	4 - 7	9/10/2009	Pulverized / Charred Debris	<1
87	64	8-03	8	9/11/2009	Floor Tile	3
89	66	8-05	8	9/11/2009	White Cardboard / Paper	60
90	67	8-06	8	9/11/2009	Floor Tile	2
91		8-06	8	9/11/2009	Black Mastic	2
92	68	8-07	8	9/11/2009	Paper / Felt	60
96		8-10	8	9/11/2009	Gray Roofing	10
98	72	8-11	8	9/11/2009	Charred / Pulverized Debris	<1
99	73	8-12	8	9/11/2009	Felt / Paper	7
102	75	8-14	8	9/11/2009	Brown Floor Tile	3
103	76	8-15	8	9/11/2009	Pulverized / Charred Debris	3
108		9-01	9	9/11/2009	Black Roofing	5
109		9-01	9	9/11/2009	Black Roofing	<1
111	81	9-03	9	9/11/2009	Charred Debris	2
112	82	9-04	9	9/11/2009	Floor Tile	3
117	87	9-09	9	9/11/2009	Floor Tile	2
118		9-09	9	9/11/2009	Black Mastic	2
123	91	9-13	9	9/11/2009	Pipe insulation (on Ground)	3
124	92	9-14	9	9/11/2009	Unknown White Powder	2
127	95	9-17	9	9/11/2009	Pulverized Debris	<1
130	98	9-20	9	9/11/2009	Roof Felt	30
131	99	9-01A	9	9/14/2009	Debris	<1
134	102	9-04A	9	9/14/2009	Pulverized Debris	2
140	106	10-02A	10	9/14/2009	Felt Paper	20
141	107	10-03A	10	9/14/2009	Roofing Material	20
158	119	17-09	17	9/14/2009	Pulverized Debris	3
162	123	17-13	17	9/14/2009	Tar on Brick	3
164	125	17-15	17	9/14/2009	Roofing Material	15
169	129	17-19	17	9/14/2009	Black Tar on Red Brick	5
174	132	17-22	17	9/14/2009	Tar on Red Brick	40
175	133	17-23	17	9/14/2009	Tar Paper on Stone	10
176	134	17-24	17	9/14/2009	Pulverized / Charred Debris	3
184	142	23-02	23	9/14/2009	Pulverized Debris	3

**Table 4**  
**US Environmental Protection Agency**  
**General Industries Site Asbestos Survey**  
**Bulk Sample Laboratory Analytical Results of Only Positive Asbestos Samples**

Sequence # Analyzed	Sequence # Sampled	Sample #	Building #	Sample Date	Material Description	Results (% Asbestos)
185	143	23-03	23	9/14/2009	Black Debris	20
191	148	23-08	23	9/14/2009	Ground Debris	<1
193	150	23-10	23	9/14/2009	Floor Tile / Mastic	8
200	157	23-17	23	9/14/2009	Tan Floor Tile	2
202	159	23-19	23	9/14/2009	Tar on Brick	6
203	160	23-20	23	9/14/2009	Roofing	20
212	166	18-01	18	9/14/2009	Roofing Material	3
213		18-01	18	9/14/2009	Gray Roofing	60
219	169	18-04	18	9/14/2009	Pipe Coating	<1
221	171	18-06	18	9/14/2009	Debris	<1
222	172	18-07	18	9/14/2009	Carpet and Backing	2
232	179	18-14	18	9/14/2009	Fiberboard	60
235	182	18-17	18	9/14/2009	Tar on Concrete	2
236	183	18-18	18	9/14/2009	Window Caulking	<1
240	187	18-22	18	9/14/2009	Roofing Material	3
241		18-22	18	9/14/2009	Gray Paper	75
242		18-22	18	9/14/2009	Black Roofing	5
243	188	18-23	18	9/14/2009	Corrugated Metal Tar	<1
246	190	18-25	18	9/14/2009	Fiberboard	30
249	193	18-28	18	9/14/2009	Roofing Material	60
256	15-03	15	9/14/2009	Black Roofing	10	
258		CY-02	CY	9/14/2009	Debris	<1
261	201	CY-04	CY	9/14/2009	Debris	4
262	202	CY-05	CY	9/14/2009	Debris	<1
264	204	CY-07	CY	9/14/2009	Pipe insulation on Ground	30
270	209	CY-12	CY	9/14/2009	Pipe Joint Mud	5
271	210	CY-13	CY	9/14/2009	Electrical Component	8
273	212	CY-15	CY	9/14/2009	Pipe insulation (wall)	5
276	215	CY-18	CY	9/14/2009	Debris	<1
277	216	CY-19	CY	9/14/2009	Debris	4
278	217	OS-01	OS	9/14/2009	Sidewalk Debris	<1
279	218	OS-02	OS	9/14/2009	Sidewalk Debris	2
281	220	TS-01	TS	9/14/2009	Sidewalk Debris	<1
283	222	TS-03	TS	9/14/2009	Sidewalk Debris	<1
284	223	TS-04	TS	9/14/2009	Sidewalk Debris	<1
285	224	TS-05	TS	9/14/2009	Sidewalk Debris	<1
286	225	TS-06	TS	9/14/2009	Sidewalk Debris	<1

ND = Non-detect for any asbestos fibers

CY = Courtyard

OS = Olive Street sidewalk

TS = Taylor Street sidewalk

**ATTACHMENT C**

**PHOTOGRAPHIC DOCUMENTATION**



**Site:** General Industries Asbestos Site

**Photograph No.:** 1

**Direction:** Southeast

**Subject:** A general view of the western perimeter of the Site

**Date:** 9/15/09

**Photographer:** A. Kiel



**Site:** General Industries Asbestos Site

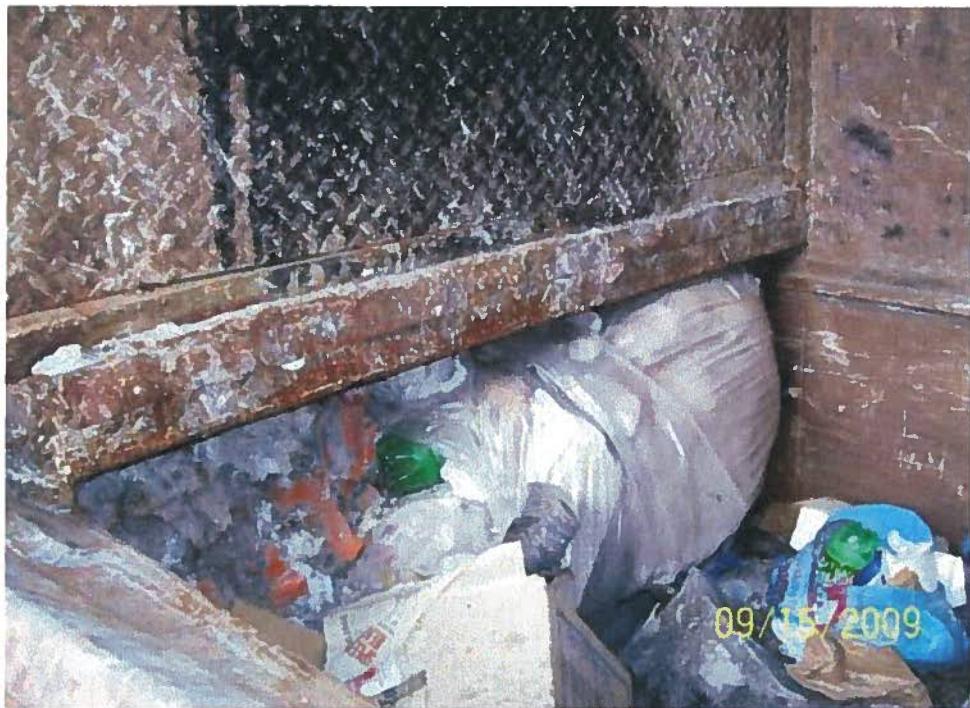
**Photograph No.:** 2

**Direction:** Northwest

**Subject:** A general view of the Site at the intersection of Olive Street and Taylor Street

**Date:** 9/15/09

**Photographer:** A. Kiel



**Site:** General Industries Asbestos Site

**Photograph No.:** 3

**Date:** 9/15/09

**Direction:** Northwest

**Photographer:** A. Kiel

**Subject:** Asbestos Thermal System Insulation inside a dumpster on site (Building #24)



**Site:** General Industries Asbestos Site

**Photograph No.:** 4

**Date:** 9/15/09

**Direction:** North

**Photographer:** A. Kiel

**Subject:** A general view of the northern portion of Building #17



**Site:** General Industries Asbestos Site

**Photograph No.:** 5

**Direction:** South

**Subject:** A general view of the southern portion of Building #17

**Date:** 9/15/09

**Photographer:** A. Kiel



**Site:** General Industries Asbestos Site

**Photograph No.:** 6

**Direction:** West

**Subject:** A general view of Building #18

**Date:** 9/15/09

**Photographer:** A. Kiel



**Site:** General Industries Asbestos Site

**Photograph No.:** 7

**Direction:** Southeast

**Subject:** A general view of Building #9

**Date:** 9/15/09

**Photographer:** A. Kiel



**Site:** General Industries Asbestos Site

**Photograph No.:** 8

**Direction:** East

**Subject:** A general view of Buildings #9, #10, #17 & #18

**Date:** 9/15/09

**Photographer:** A. Kiel



**Site:** General Industries Asbestos Site

**Photograph No.:** 9

**Date:** 9/15/09

**Direction:** West

**Photographer:** A. Kiel

**Subject:** A general view of the western courtyard area and Building #17



**Site:** General Industries Asbestos Site

**Photograph No.:** 10

**Date:** 9/15/09

**Direction:** North

**Photographer:** A. Kiel

**Subject:** A general view of Building #13 and the Courtyard



**Site:** General Industries Asbestos Site

**Photograph No.:** 11

**Date:** 9/15/09

**Direction:** West

**Photographer:** A. Kiel

**Subject:** A general view of Buildings #3, #4, #5, #7 & #8



**Site:** General Industries Asbestos Site

**Photograph No.:** 12

**Date:** 9/15/09

**Direction:** West

**Photographer:** A. Kiel

**Subject:** A general view of Buildings #3, #4, #5, #7 & #8



**Site:** General Industries Asbestos Site

**Photograph No.:** 13

**Direction:** North

**Subject:** A general view of Building #3

**Date:** 9/15/09

**Photographer:** A. Kiel



**Site:** General Industries Asbestos Site

**Photograph No.:** 14

**Direction:** Down

**Subject:** Sample 4-7-06, roofing material from Building #4-#7 (20% asbestos)

**Date:** 9/10/09

**Photographer:** A. Kiel



**Site:** General Industries Asbestos Site

**Photograph No.:** 15

**Date:** 9/11/09

**Direction:** Down

**Photographer:** A. Kiel

**Subject:** Sample 8-05, paper (suspect roofing) from Building #8 (60% asbestos)



**Site:** General Industries Asbestos Site

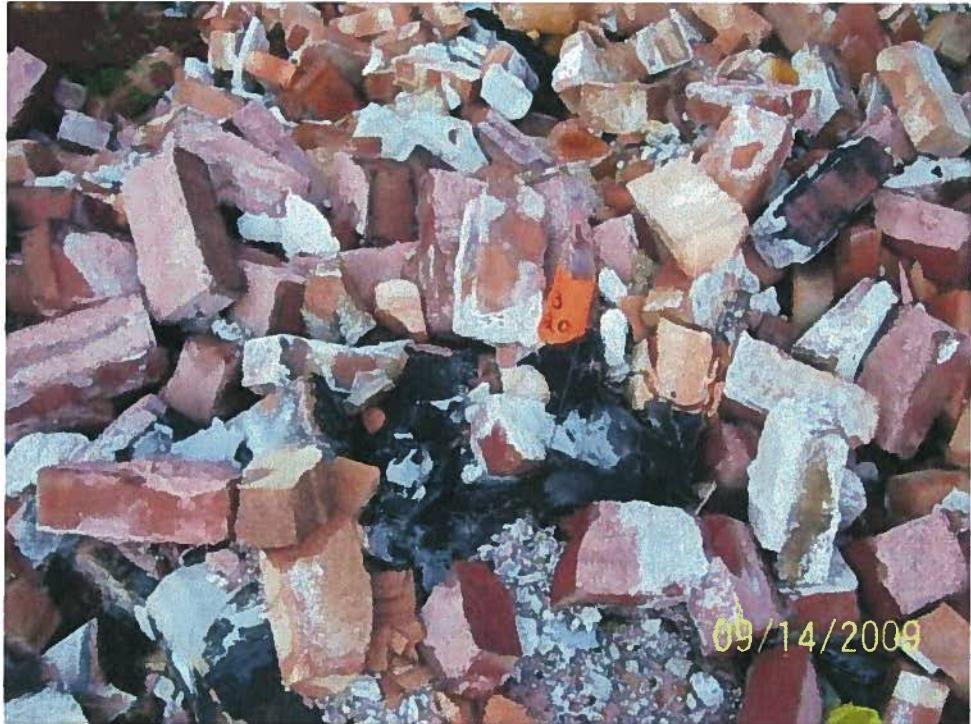
**Photograph No.:** 16

**Date:** 9/14/09

**Direction:** Up

**Photographer:** A. Kiel

**Subject:** Sample 10-03A, roofing material from Building #10 (20% asbestos)



**Site**: General Industries Asbestos Site

**Photograph No.:** 17

**Date:** 9/14/09

**Direction:** Down

**Photographer:** A. Kiel

**Subject:** Sample 23-20, roofing material from Building #23 (20% asbestos)



**Site:** General Industries Asbestos Site

**Photograph No.:** 18

**Date:** 9/14/09

**Direction:** Down

**Photographer:** A. Kiel

**Subject:** Sample 18-01, roofing material from Building #18 (60% asbestos)



**Site:** General Industries Asbestos Site

**Photograph No.:** 19

**Date:** 9/15/09

**Direction:** West

**Photographer:** A. Kiel

**Subject:** A general view of the southern perimeter of the Site and the sidewalk along Taylor Street (pulverized debris along the sidewalk and street)



**Site:** General Industries Asbestos Site

**Photograph No.:** 20

**Date:** 9/15/09

**Direction:** North

**Photographer:** A. Kiel

**Subject:** A general view of the western perimeter of the Site and the sidewalk along Olive Street (pulverized debris along the sidewalk and street)

**ATTACHMENT D**

**DIAMOND ENVIRONMENTAL ASBESTOS BULK SURVEY REPORT**



# Diamond Environmental

3624 State Route 303 • Ravenna, Ohio 44266  
Phone: (330) 422-0799 • Fax: (330) 422-0798

September 15, 2009

Mr. Steve Jackson  
**Environmental Restoration, LLC.**  
7007 Engle Road; Suite E  
Middleburgh Heights, Ohio 44130

**RE:** Asbestos Bulk Survey  
General Industries Site – 154 Olive St., Elyria, Ohio  
Diamond # 9-0104

## Description of Work

Diamond Environmental, LLC was contracted by Mr. Steve Jackson of Environmental Restoration, LLC to perform sampling of suspect asbestos containing materials from several former buildings and a courtyard located at this site. These former buildings are currently piles of rubble/metal/debris and sampling consisted of procuring surface samples from the rubble/metal/debris piles only. No friability or quantification was requested.

The bulk sampling was performed by **Mr. Keith R Bickel, CAHES # 31476** and **Mr. Steven P. Masters, CAHES # 33132** of Diamond Environmental on September 10,11, & 14, 2009. Copies of certificates are attached in Appendix A.

## Bulk Sampling

The surface areas of the rubble/debris pile that were former buildings on this property were visually observed. Based on the rubble/debris piles configuration and a aerial photograph of the numbered buildings on this property, these piles were approximately assigned their former building number or numbers.

After each pile was assigned a building number or numbers, a walk over of the surface area of the pile was performed. Red flags were placed at or near visibly observed suspect asbestos material on the pile. After the pile was completely walked over samples were taken of the suspect asbestos material marked by the red flags. A sample identification number was given to the sampled material and placed on the sample container, sampling sheet, and red flag. The red flags were left in place.

GPS readings of each red flag/sample location were taken by Mr. Andrew Kiel of Weston Solutions.

The suspect asbestos containing material sampled were: various roofing materials, fibrous materials, thermal insulations, caulkings, floor tiles, bricks, mortars, masonry, tar sealants, unknowns, and soil/debris materials. See Appendix B for Asbestos Bulk Sampling Sheets.

## Limitations

Diamond Environmental cannot guarantee that all asbestos material was located. Only the surfaces of these piles were inspected. This report is limited to the Request for Quote RFG#G15-13.1, 2.0 Description of Work, 2.1 Services, 2.1.1 Sample Collection and Sample Analysis, and 2.1.2 Report Preparation. If any suspect asbestos containing material becomes visible during the clean up phase, please stop all activities and notify Diamond Environmental.



# Diamond Environmental

3624 State Route 303 • Ravenna, Ohio 44266  
Phone: (330) 422-0799 • Fax: (330) 422-0798

## Analysis

The bulk samples were analyzed by polarized light microscopy for asbestos content at Global Industrial Corporation, which is accredited by the National Institute of Standards and Technology – National Voluntary Accreditation Program ( NVLAP accredited laboratory # 200670-0) utilizing the current “EPA Method for the Determination of Asbestos in Bulk Building Materials”, EPA 600/R-93/116, July 1993. See Appendix C for Laboratory accreditation.

## Analytical Data

See Appendix D for laboratory analytical data.

## Results

A total of 224 bulk samples were collected as part of this project, with 22 duplicate samples taken at random from the pre-collected samples. The sample number, material, approximate location, and analytical results are in table format in Appendix B. A list of asbestos containing materials can be found in Appendix E.

Please contact the undersigned if you require any additional information. Thank you for consulting Diamond Environmental, LLC..

Sincerely,  
**Diamond Environmental, LLC.**

Keith R. Bickel, CHMM, REP, CAHES

Environmental

Industrial Hygiene

Occupational Safety



# Diamond Environmental

3624 State Route 303 • Ravenna, Ohio 44266  
Phone: (330) 422-0799 • Fax: (330) 422-0798

## APPENDIX A

### Certificates

**State of Ohio**  
**Department of Health**  
**Division of Quality Assurance - Asbestos Program**

**Asbestos Hazard Evaluation Specialist**

**Keith R Bickel**  
**Diamond Environmental, LLC**  
**3624 St. Rt. 303**  
**Ravenna OH 44266**



**Certification Number** ES31476      **Expiration Date** 06/12/2010

**DOB:** 09/16/1962

**Certification Card is  
not valid if altered**

This certification is issued pursuant to Chapter 3710 of the Revised Code and 3701-34 of the Ohio Administrative Code

# **TSI Training Services International**

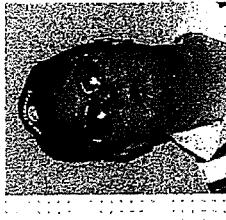
## Asbestos Building Inspector Refresher

### Certificate

This is to certify

**Keith R. Bickel**

**XXX-XXX-2128**



has attended and successfully completed the Asbestos Hazard Emergency Response Act mandatory course for the Asbestos Building Inspector Refresher and has passed an examination in that course with a minimum score of 70% or better. Training was in accordance with 40 CFR Part 763 (AHERA). The above student received the requisite training for asbestos accreditation under Title II of the Toxic Substances Control Act and State of Indiana requirements under 326 IAC 18-2 and Chapter 3701-34 Ohio Administrative Code.

**Daryl D. Scher**      **6/11/10**      **6/11/09**      **Cleveland, OH**

Training Manager      Expiration Date      Date(s) of Course      Examination Date      Course Location

**TSI**

33150 Lakeland Blvd.  
Cleveland, OH 44095  
1-866-666-8438

**9 TSI 31327 ir**



# TSI Training Services International

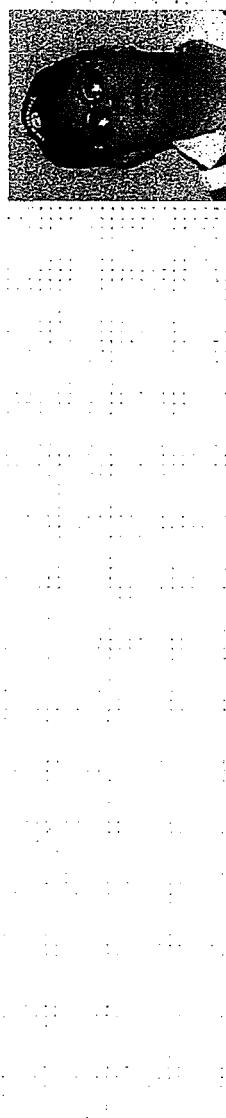
## Asbestos Management Planner Refresher

### Certificate

This is to certify

**Keith R. Bickel**

XXX-XX-2128



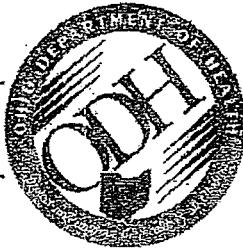
has attended and successfully completed the Asbestos Hazard Emergency Response Act mandatory course for the Asbestos Management Planner Refresher and has passed an examination in that course with a minimum score of 70% or better. Training was in accordance with 40 CFR Part 763 (AHERA). The above student received the requisite training for asbestos accreditation under Title II of the Toxic Substances Control Act and State of Indiana requirements under 326 IAC 18-2 and Chapter 3701-34 Ohio Administrative Code.

Training Manager	Dayle D. Seltzer	Expiration Date	6/11/10	Date(s) of Course	6/11/09	Examination Date	6/11/09	Course Location	Cleveland, OH
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**TSI**

33150 Lakeland Blvd.  
Cleveland, OH 44095  
1-866-666-8438

**9 TSI 31328 mpr**



# OHIO DEPARTMENT OF HEALTH

246 North High Street  
Columbus, Ohio 43215

614/466-3543  
[www.odh.ohio.gov](http://www.odh.ohio.gov)

Ted Strickland/Governor

Alvin D. Jackson, M.D./Director of Health

August 26, 2008

Steven P Masters  
Bureau Veritas  
520 S. Main St. Ste 2444  
Akron OH 44311

RE: Asbestos Hazard Evaluation Specialist ES33132

Dear Steven P Masters:

This letter is to inform you that you have been certified by this department as an Asbestos Hazard Evaluation Specialist.

Included with this letter is your identification card. You must present this card upon request at any project site while performing duties. Copies of cards are not acceptable as proof of certification.

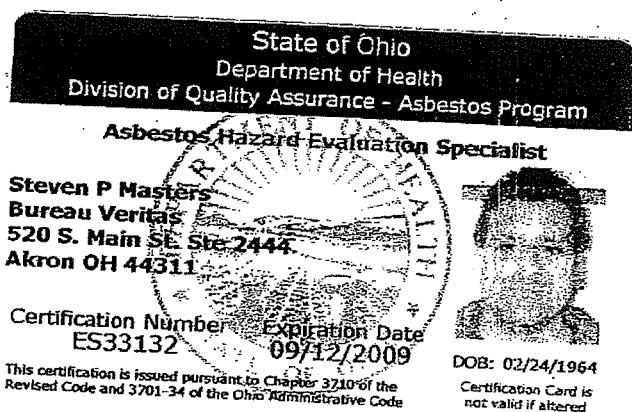
This certification may be revoked by the Director of Health for violation of any of the requirements of 3701-34 of the Ohio Administrative Code.

This certification will expire on 09/12/2009.

If you have any questions regarding your identification card, please call and speak with the asbestos licensing staff at (614) 644-0226.

Sincerely,

Mark J. S. Needham  
Asbestos Program Administrator  
Division of Quality Assurance





## **Training Services International**

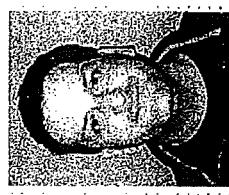
### **Asbestos Building Inspector Refresher**

#### **Certificate**

This is to certify

**Steve P. Masters**

**XXX-XX-1034**



has attended and successfully completed the Asbestos Hazard Emergency Response Act mandatory course for the Asbestos Building Inspector Refresher and has passed an examination in that course with a minimum score of 70% or better. Training was in accordance with 40 CFR Part 763 (AI ERA). The above student received the requisite training for asbestos accreditation under Title II of the Toxic Substances Control Act and State of Indiana requirements under 326 IAC 18-2 and Chapter 3701-34 Ohio Administrative Code.

**Daryl D. Seltzer**

**2/26/10**

**2/26/09**

**Akron, OH**

Training Manager

Expiration Date

Date(s) of Course

Examination Date

Course Location

**33150 Lakeland Blvd.  
Cleveland, OH 44095  
1-866-666-8438**

**9 TSI 30206 ir**

# **Training Services International**

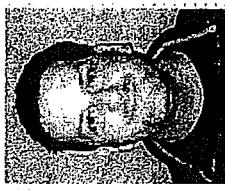
Asbestos Management Planner Refresher

Certificate

This is to certify

**Steve P. Masters**

XXX-XX-1034



has attended and successfully completed the Asbestos Hazard Emergency Response Act mandatory course for the Asbestos Management Planner Refresher and has passed an examination in that course with a minimum score of 70% or better. Training was in accordance with 40 CFR Part 763 (AHTERA). The above student received the requisite training for asbestos accreditation under Title II of the Toxic Substances Control Act and State of Indiana requirements under 326 IAC 18-2 and Chapter 3701-34 Ohio Administrative Code.

<i>Daryl D. Seltz</i>	<u>2/26/10</u>	<u>2/26/09</u>	<u>Akron, OH</u>
Training Manager	Expiration Date	Date(s) of Course	Examination Date
			Course Location

33150 Lakeland Blvd.  
Cleveland, OH 44095  
1-866-666-8438

**9 TSI 30207 mpr**

Environmental

Industrial Hygiene

Occupational Safety



# Diamond Environmental

3624 State Route 303 • Ravenna, Ohio 44266  
Phone: (330) 422-0799 • Fax: (330) 422-0798

## APPENDIX B

### Asbestos Bulk Sampling Sheets



# Diamond Environmental

3624 State Route 303 • Ravenna, Ohio 44266  
Phone: (330) 422-0799 • Fax: (330) 422-0798

## ASBESTOS BULK SAMPLING & ANALYSIS

Client: Environmental Restoration, LLC  
Project: 154 Olive St., Elria, Ohio  
Diamond Work Order: 9-0104

Sampling Date: 9-10-09  
Hygienist: Keith Bickel  
Buildings 1-3

Sample Number	Material	Functional Space	Analysis
1-3-01	White Drywall	Building Rubble Pile 1-3 Area - Northeast Section	Cellulose fibers 10% Non-fibrous Particulate 90%
1-3-02	Red Brick	Building Rubble Pile 1-3 Area - Northeast Section	Non-fibrous Particulate 100%
	Gray Mortar		Non-fibrous Particulate 100%
1-3-03	Roofing Material - White Roofing Material	Building Rubble Pile 1-3 Area - Northeast Section	Non-fibrous Particulate 100%
	- Black Roofing Material		Cellulose fibers 5% Non-fibrous Particulate 95%
1-3-04	Plaster - Black Plaster	Building Rubble Pile 1-3 Area - Northeast Section	Non-fibrous Particulate 100%
	- Black Mesh		Non-fibrous Particulate 100%
1-3-05	Black Roofing Material	Building Rubble Pile 1-3 Area - Northwest Section	Fiberglass 20% Non-fibrous Particulate 80%
1-3-06	Brown Roofing Insulation	Building Rubble Pile 1-3 Area - Northwest Section	Cellulose fibers 100%
1-3-07	Floor Tile & Mastic - Red Floor Tile	Building Rubble Pile 1-3 Area - Northwest Section	Chrysotile Asbestos 2% Non-fibrous Particulate 98%
	- Black Mastic		Chrysotile Asbestos 3% Non-fibrous Particulate 97%
	- White Floor Tile		Chrysotile Asbestos <1% Non-fibrous Particulate 99%
	- Black Mastic		Chrysotile Asbestos 3% Non-fibrous Particulate 97%
1-3-08	Gray Caulking	Building Rubble Pile 1-3 Area - Northwest Section	Non-fibrous Particulate 100%
1-3-09	Tar on Brick & Mortar - Red Brick	Building Rubble Pile 1-3 Area - Northwest Section	Non-fibrous Particulate 100%
	- White Mortar		Non-fibrous Particulate 100%
	- Black Tar		Cellulose fibers 20% Non-fibrous Particulate 80%
1-3-10	Roofing Material - Black Roofing	Building Rubble Pile 1-3 Area - West Section	Cellulose fibers 20% Non-fibrous Particulate 80%
	- Brown Insulation		Cellulose fibers 100%



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## ASBESTOS BULK SAMPLING & ANALYSIS

Client: Environmental Restoration, LLC  
Project: 154 Olive St., Elria, Ohio  
Diamond Work Order: 9-0104

Sampling Date: 9-10-09  
Hygienist: Keith Bickel  
Buildings 1-3

Sample Number	Material	Functional Space	Analysis
1-3-11	Floor Tile & Mastic - Tan Floor Tile	Building Rubble Pile 1-3 Area - West Section	<b>Chrysotile Asbestos</b> 2% Non-fibrous Particulate 98%
	- Black Mastic		<b>Chrysotile Asbestos</b> 2% Non-fibrous Particulate 98%
1-3-12	Roofing Material - Black Roofing	Building Rubble Pile 1-3 Area - West Section	Cellulose fibers 20% Non-fibrous Particulate 80%
	- Brown Insulation		Cellulose fibers 100%
1-3-13	Floor Tile & Mastic - Red Floor Tile	Building Rubble Pile 1-3 Area - West Section	<b>Chrysotile Asbestos</b> 3% Non-fibrous Particulate 97%
	- Black Mastic		<b>Chrysotile Asbestos</b> 3% Non-fibrous Particulate 97%
1-3-14	Black Coating	Building Rubble Pile 1-3 Area - West Section	Cellulose fibers 10% Non-fibrous Particulate 90%
1-3-15	Brick & Mortar - Red Brick	Building Rubble Pile 1-3 Area - West Section	Non-fibrous Particulate 100%
	- White Mortar		Non-fibrous Particulate 100%
1-3-16	Floor Tile - Red Floor Tile	Building Rubble Pile 1-3 Area - Southwest Section	<b>Chrysotile Asbestos</b> 3% Non-fibrous Particulate 97%
	- Black Mastic		<b>Chrysotile Asbestos</b> 2% Non-fibrous Particulate 98%
	- White Floor Tile		<b>Chrysotile Asbestos</b> 2% Non-fibrous Particulate 98%
	- Black Mastic		<b>Chrysotile Asbestos</b> 2% Non-fibrous Particulate 98%
	- Black Floor Tile		<b>Chrysotile Asbestos</b> 2% Non-fibrous Particulate 98%
	- Black Mastic		<b>Chrysotile Asbestos</b> 2% Non-fibrous Particulate 98%
1-3-17	Black Tar Paper	Building Rubble Pile 1-3 Area - Southwest Section	Cellulose fibers 30% Non-fibrous Particulate 70%
1-3-18	Black Debris Material	Building Rubble Pile 1-3 Area - Southwest Section	Cellulose fibers 10% Non-fibrous Particulate 90%
1-3-19	Black Tar Paper	Building Rubble Pile 1-3 Area - Southwest Section	Cellulose fibers 25% Non-fibrous Particulate 75%
1-3-20	Gray Debris	Building Rubble Pile 1-3 Area - Southwest Section	Non-fibrous Particulate 100%



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## ASBESTOS BULK SAMPLING & ANALYSIS

Client: Environmental Restoration, LLC  
Project: 154 Olive St., Elria, Ohio  
Diamond Work Order: 9-0104

Sampling Date: 9-10-09  
Hygienist: Keith Bickel  
Buildings 1-3

Sample Number	Material	Functional Space	Analysis
1-3-21	Brown/Gray Paper Material	Building Rubble Pile 1-3 Area - Southwest Section	Chrysotile Asbestos 10% Non-fibrous Particulate 90%
1-3-22	Brown Roofing	Building Rubble Pile 1-3 Area - Southwest Section	Cellulose fibers 10% Synthetic fibers 40% Non-fibrous Particulate 50%
1-3-23	Black Tar Bedding	Building Rubble Pile 1-3 Area - Southwest Section	Chrysotile Asbestos 2% Cellulose fibers 1% Non-fibrous Particulate 97%
1-3-24	Black Gasket	Building Rubble Pile 1-3 Area - Southwest Section	Non-fibrous Particulate 100%
1-3-25	Gray Pipe Covering	Building Rubble Pile 1-3 Area - Southwest Section	Non-fibrous Particulate 100%
1-3-26	Black Tar Material	Building Rubble Pile 1-3 Area - Northwest Section	Cellulose fibers 1% Non-fibrous Particulate 99%
1-3-27	Black Debris Material	Building Rubble Pile 1-3 Area - Northwest Section	Chrysotile Asbestos <1% Cellulose fibers 3% Non-fibrous Particulate 96%
1-3-28	Brown Insulation	Building Rubble Pile 1-3 Area - Northwest Section	Cellulose fibers 100%
1-3-29	Tan I-Beam Material	Building Rubble Pile 1-3 Area - Northwest Section	Non-fibrous Particulate 100%
1-3-30	Gray Caulk	Building Rubble Pile 1-3 Area - North Section	Chrysotile Asbestos 4% Cellulose fibers 1% Non-fibrous Particulate 95%
1-3-31	Gray Plaster	Building Rubble Pile 1-3 Area - Northeast Section	Cellulose fibers 2% Non-fibrous Particulate 98%
1-3-32	White Debris Material	Building Rubble Pile 1-3 Area - East Center Section	Chrysotile Asbestos 8% Cellulose fibers 32% Non-fibrous Particulate 60%
1-3-33	Black Debris Material	Building Rubble Pile 1-3 Area - Southeast Section	Cellulose fibers 5% Synthetic fibers 5% Non-fibrous Particulate 90%



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## ASBESTOS BULK SAMPLING & ANALYSIS

Client: Environmental Restoration, LLC  
Project: 154 Olive St., Elria, Ohio  
Diamond Work Order: 9-0104

Sampling Date: 9-10-09  
Hygienist: Keith Bickel  
Buildings 4, 7, & 11

Sample Number	Material	Functional Space	Analysis
4-7-01	White Drywall	Building Rubble Pile 4-7 Area - North Section	Cellulose fibers 10% Non-fibrous Particulate 90%
4-7-02	Red Brick	Building Rubble Pile 4-7 Area - North Section	Non-fibrous Particulate 100%
	Gray Mortar		Non-fibrous Particulate 100%
4-7-03	TSI - Gray Elbow Mud	Building Rubble Pile 4-7 Area - North Section	Cellulose fibers 7% Non-fibrous Particulate 93%
4-7-04	Black Roof Material	Building Rubble Pile 4-7 Area - North Section	<b>Chrysotile Asbestos</b> 30% Cellulose fibers 60% Non-fibrous Particulate 10%
4-7-05	TSI - Gray Elbow Mud	Building Rubble Pile 4-7 Area - North Center	Non-fibrous Particulate 100%
4-7-06	Black/Gray Roof Material	Building Rubble Pile 4-7 Area - North Center	<b>Chrysotile Asbestos</b> 20% Cellulose fibers 30% Non-fibrous Particulate 50%
4-7-07	Black Roof Material	Building Rubble Pile 4-7 Area - South Section	<b>Chrysotile Asbestos</b> 2% Cellulose fibers 3% Non-fibrous Particulate 95%
4-7-08	Ceramic Brick - Gray Ceramic Brick	Building Rubble Pile 4-7 Area - North Center	Non-fibrous Particulate 100%
	- Gray Mastic		Non-fibrous Particulate 100%
4-7-09	Roof Material - Black felt Material	Building Rubble Pile 4-7 Area - South Section	<b>Chrysotile Asbestos</b> 60% Cellulose fibers 40%
	- Brown Underlay		Cellulose fibers 100%
4-7-10	Gray Transite Like Material	Building Rubble Pile 4-7 Area - South Section	Non-fibrous Particulate 100%
4-7-11	TSI - Gray Pipe Insulation	Building Rubble Pile 4-7 Area - Southeast Section	<b>Chrysotile Asbestos</b> <1% Cellulose fibers 2% Non-fibrous Particulate 97%
4-7-12	TSI - Gray Pipe Insulation	Building Rubble Pile 4-7 Area - Southeast Section	<b>Chrysotile Asbestos</b> <1% Cellulose fibers 2% Non-fibrous Particulate 97%
4-7-13	Black Ground Debris	Building Rubble Pile 4-7 Area - Southeast Section	<b>Chrysotile Asbestos</b> <1% Cellulose fibers 4% Non-fibrous Particulate 95%



# Diamond Environmental

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## ASBESTOS BULK SAMPLING & ANALYSIS

Client: Environmental Restoration, LLC  
Project: 154 Olive St., Elria, Ohio  
Diamond Work Order: 9-0104

Sampling Date: 9-10-09  
Hygienist: Keith Bickel  
Buildings 4, 7, & 11

Sample Number	Material	Functional Space	Analysis
4-7-14	Black Ground Debris	Building Rubble Pile 4-7 Area - Southeast Section	Chrysotile Asbestos 2% Cellulose fibers 3% Non-fibrous Particulate 95%
4-7-15	Black Transite Like Panel	Building Rubble Pile 4-7 Area - Electrical Box - Southeast Section	Non-fibrous Particulate 100%
4-7-16	Black Pumice Material	Building Rubble Pile 4-7 Area - Southeast Section - Near Hopper	Non-fibrous Particulate 100%
4-7-17	Black Roof Felt Paper	Building Rubble Pile 4-7 Area - Southeast Section	Cellulose fibers 30% Non-fibrous Particulate 70%
4-7-18	Black Roof Material	Building Rubble Pile 4-7 Area - East Section	Cellulose fibers 20% Fiberglass 20% Non-fibrous Particulate 60%
4-7-19	Gray Plaster	Building Rubble Pile 4-7 Area - East Section	Non-fibrous Particulate 100%
4-7-20	Black Ground Debris Material	Building Rubble Pile 4-7 Area - East Section	Cellulose fibers 7% Fiberglass 7% Non-fibrous Particulate 86%
4-7-21	TSI - Gray Pipe Elbow	Building Rubble Pile 4-7 Area - East Section	Non-fibrous Particulate 100%
4-7-22	TSI – Black Pipe Insulation	Building Rubble Pile 4-7 Area - East Section	Non-fibrous Particulate 100%
4-7-23	Roof Material - Black Roof Layer	Building Rubble Pile 4-7 Area - East Center	Cellulose fibers 20% Non-fibrous Particulate 80%
	- Black Roof Layer		Cellulose fibers 30% Non-fibrous Particulate 70%
	- Black Roof Layer		Chrysotile Asbestos 5% Cellulose fibers 15% Non-fibrous Particulate 80%
4-7-24	Black Ground Debris Material	Building Rubble Pile 4-7 Area - East of Hopper	Chrysotile Asbestos 2% Cellulose fibers 2% Non-fibrous Particulate 96%
4-7-25	Black Ground Debris Material	Building Rubble Pile 4-7 Area - East of Hopper	Chrysotile Asbestos 3% Cellulose fibers 2% Non-fibrous Particulate 95%
4-7-26	Black Ground Debris Material	Building Rubble Pile 4-7 Area - East of Hopper	Chrysotile Asbestos <1% Cellulose fibers 3% Non-fibrous Particulate 96%

Environmental

Industrial Hygiene

Occupational Safety



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## ASBESTOS BULK SAMPLING & ANALYSIS

Client: Environmental Restoration, LLC  
Project: 154 Olive St., Elria, Ohio  
Diamond Work Order: 9-0104

Sampling Date: 9-10-09  
Hygienist: Keith Bickel  
Buildings 4, 7, & 11

Sample Number	Material	Functional Space	Analysis	
4-7-27	Gray Plaster	Building Rubble Pile 4-7 Area - East of Hopper	Non-fibrous Particulate	100%
4-7-28	White Drywall	Building Rubble Pile 4-7 Area - Electrical Box - Southeast Section	Cellulose fibers Non-fibrous Particulate	10% 90%



# Diamond Environmental

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## ASBESTOS BULK SAMPLING & ANALYSIS

Client: Environmental Restoration, LLC  
Project: 154 Olive St., Elria, Ohio  
Diamond Work Order: 9-0104

Sampling Date: 9-11-09  
Hygienist: Keith Bickel / Steve Masters  
Buildings 8

Sample Number	Material	Functional Space	Analysis
8-01	Tan Plaster / Surfacing - Large Wire	Building 8 Rubble Pile Area - Southwest Section	Non-fibrous Particulate 100%
8-02	Tan Plaster / Surfacing - Small Wire	Building 8 Rubble Pile Area - Southwest Section	Non-fibrous Particulate 100%
8-03	White Floor Tile - No Adhesive	Building 8 Rubble Pile Area - Southwest Section	<b>Chrysotile Asbestos</b> 3% Cellulose fibers 1% Non-fibrous Particulate 96%
8-04	Gray Plaster / Surfacing	Building 8 Rubble Pile Area - Southwest Section	Non-fibrous Particulate 100%
8-05	Gray Paper material	Building 8 Rubble Pile Area - South Center	<b>Chrysotile Asbestos</b> 60% Cellulose fibers 40%
8-06	Floor Tile - Black Tile	Building 8 Rubble Pile Area - South Center	<b>Chrysotile Asbestos</b> 2% Non-fibrous Particulate 98%
	- Black Mastic		<b>Chrysotile Asbestos</b> 2% Non-fibrous Particulate 98%
8-07	Gray Paper material	Building 8 Rubble Pile Area - South Center	<b>Chrysotile Asbestos</b> 60% Cellulose fibers 40%
8-08	Gray Molten Material	Building 8 Rubble Pile Area - South Center	Fiberglass 10% Non-fibrous Particulate 90%
8-09	Gray Mortar	Building 8 Rubble Pile Area - Center	Non-fibrous Particulate 100%
8-10	Roof Material - Black Roofing	Building 8 Rubble Pile Area - Center	Cellulose fibers 20% Non-fibrous Particulate 80%
	- Gray Roofing		<b>Chrysotile Asbestos</b> 10% Cellulose fibers 10% Non-fibrous Particulate 80%
	- Brown Underlay		Cellulose fibers 100%
8-11	Black Debris	Building 8 Rubble Pile Area - Center	<b>Chrysotile Asbestos</b> <1% Cellulose fibers 1% Non-fibrous Particulate 98%
8-12	Gray Fiberboard	Building 8 Rubble Pile Area - Southeast	<b>Chrysotile Asbestos</b> 7% Cellulose fibers 93%



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## ASBESTOS BULK SAMPLING & ANALYSIS

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Project: 154 Olive St., Elria, Ohio  
Diamond Work Order: 9-0104

Sampling Date: 9-11-09  
Hygienist: Keith Bickel / Steve Masters  
Buildings 8

Sample Number	Material	Functional Space	Analysis
8-13	Brick & Mortar - Red Brick	Building 8 Rubble Pile Area - Southeast	Non-fibrous Particulate 100%
	- Gray Mortar	Building 8 Rubble Pile Area - Southeast	Non-fibrous Particulate 100%
8-14	Brown Floor Tile - No Adhesive	Building 8 Rubble Pile Area - Southeast	<b>Chrysotile Asbestos</b> 3% Cellulose fibers 2% Non-fibrous Particulate 95%
8-15	Black Ground Debris	Building 8 Rubble Pile Area - Southeast	<b>Chrysotile Asbestos</b> 3% Cellulose fibers 1% Non-fibrous Particulate 96%
8-16	Floor Tile - White Tile	Building 8 Rubble Pile Area - Southeast	Non-fibrous Particulate 100%
	- Yellow Adhesive		Non-fibrous Particulate 100%
8-17	Gray Plaster / Surfacing	Building 8 Rubble Pile Area - Southeast	Non-fibrous Particulate 100%



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## ASBESTOS BULK SAMPLING & ANALYSIS

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Project: 154 Olive St., Elria, Ohio  
Diamond Work Order: 9-0104

Sampling Date: 9-11-09  
Hygienist: Keith Bickel / Steve Masters  
Buildings 9 - 10

Sample Number	Material	Functional Space	Analysis
9-01	Roof Material - Black Roofing	Building 9 Rubble Pile Area - Southwest	Cellulose fibers 20% Non-fibrous Particulate 80%
	- Black Roofing		<b>Chrysotile Asbestos</b> 5% Cellulose fibers 15% Non-fibrous Particulate 80%
	- Black Material		<b>Chrysotile Asbestos</b> < 1% Cellulose fibers 1% Non-fibrous Particulate 98%
9-02	TSI – Tan Mud Elbow	Building 9 Rubble Pile Area - Southwest	Non-fibrous Particulate 100%
9-03	Black Ground Debris	Building 9 Rubble Pile Area - Southeast	<b>Chrysotile Asbestos</b> 2% Cellulose fibers 1% Non-fibrous Particulate 97%
9-04	Brown Floor Tile - No Adhesive	Building 9 Rubble Pile Area - South	<b>Chrysotile Asbestos</b> 3% Cellulose fibers 1% Non-fibrous Particulate 96%
9-05	Black Roof Paper	Building 9 Rubble Pile Area - Center	Cellulose fibers 30% Non-fibrous Particulate 70%
9-06	Tan Plaster	Building 9 Rubble Pile Area - Center	Non-fibrous Particulate 100%
9-07	Black Material	Building 9 Rubble Pile Area - Center	Non-fibrous Particulate 100%
9-08	Yellow Plaster	Building 9 Rubble Pile Area - Center	Non-fibrous Particulate 100%
9-09	Floor Tile & Mastic - White Floor Tile	Building 9 Rubble Pile Area - Center	<b>Chrysotile Asbestos</b> 2% Non-fibrous Particulate 98%
	- Black Mastic		<b>Chrysotile Asbestos</b> 2% Non-fibrous Particulate 98%
9-10	Black Debris Material	Building 9 Rubble Pile Area - Center	Synthetic fibers 30% Non-fibrous Particulate 70%
9-11	White Material	Building 9 Rubble Pile Area - North Center	Fiberglass 20% Non-fibrous Particulate 80%
9-12	Brick & Mortar - Red Brick	Building 9 Rubble Pile Area - North Center	Non-fibrous Particulate 100%
	- Gray Mortar		Non-fibrous Particulate 100%



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Client: Environmental Restoration, LLC  
Project: 154 Olive St., Elria, Ohio  
Diamond Work Order: 9-0104

Sampling Date: 9-11 & 14-09  
Hygienist: Keith Bickel / Steve Masters  
Buildings 9 - 10

Sample Number	Material	Functional Space	Analysis
9-13	TSI White Insulation	Building 9 Rubble Pile Area - North Center	Chrysotile Asbestos 3% Cellulose fibers 7% Non-fibrous Particulate 90%
9-14	TSI White Mud Material	Building 9 Rubble Pile Area - Northeast	Chrysotile Asbestos 2% Cellulose fibers 18% Fiberglass 10% Non-fibrous Particulate 70%
9-15	White Debris Material	Building 9 Rubble Pile Area - North Center	Non-fibrous Particulate 100%
9-16	TSI Tan Elbow	Building 9 Rubble Pile Area - Northeast	Non-fibrous Particulate 100%
9-17	Gray Ground Debris	Building 9 Rubble Pile Area - Northeast	Chrysotile Asbestos < 1% Cellulose fibers 1% Non-fibrous Particulate 98%
9-18	Brown I-Beam Coating	Building 9 Rubble Pile Area - East	Non-fibrous Particulate 100%
9-19	Black Tar Sealant	Building 9 Rubble Pile Area - East	Fiberglass 7% Non-fibrous Particulate 93%
9-20	Black/Gray Tar Paper	Building 9 Rubble Pile Area - East	Chrysotile Asbestos 30% Cellulose fibers 30% Non-fibrous Particulate 40%
9-01A	Black Debris Material	Building 9 Rubble Pile Area - Southwest	Chrysotile Asbestos < 1% Cellulose fibers 4% Non-fibrous Particulate 95%
9-02A	Gray Slate	Building 9 Rubble Pile Area - Southwest	Non-fibrous Particulate 100%
9-03A	White Ceramic Insulation	Building 9 Rubble Pile Area - North Center	Non-fibrous Particulate 100%
9-04A	Black Debris Material	Building 9 Rubble Pile Area - North Center	Chrysotile Asbestos 2% Cellulose fibers 1% Non-fibrous Particulate 97%
9-05A	Brick & Mortar - Red Brick	Building 10 Rubble Pile Area - Southeast	Non-fibrous Particulate 100%
	- Gray Mortar		Non-fibrous Particulate 100%
9-06A	Brick & Mortar - Red Brick	Building 10/9 Rubble Pile Area - Southeast	Non-fibrous Particulate 100%
	- Gray Mortar		Non-fibrous Particulate 100%



# Diamond Environmental

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## ASBESTOS BULK SAMPLING & ANALYSIS

Client: Environmental Restoration, LLC  
Project: 154 Olive St., Elria, Ohio  
Diamond Work Order: 9-0104

Sampling Date: 9-11 & 14-09  
Hygienist: Keith Bickel / Steve Masters  
Buildings 9 - 10

Sample Number	Material	Functional Space	Analysis
10-01A	TSI Silver Elbow Insulation	Building 10 Rubble Pile Area - Southwest	Cellulose fibers 2% Non-fibrous Particulate 98%
10-02A	Black Roof Material	Building 10 Rubble Pile Area - South	<b>Chrysotile Asbestos</b> 20% Cellulose fibers 10% Non-fibrous Particulate 70%
10-03A	Black Roof Material	Building 10 Rubble Pile Area - South	<b>Chrysotile Asbestos</b> 20% Cellulose fibers 20% Non-fibrous Particulate 60%
10-04A	Black Tar	Building 10 Rubble Pile Area - Southwest	Cellulose fibers 30% Non-fibrous Particulate 70%
10-05A	White I-Beam Mortar	Building 10 Rubble Pile Area - Center	Non-fibrous Particulate 100%
10-06A	Brick & Mortar - Red Brick	Building 10 Rubble Pile Area - North	Non-fibrous Particulate 100%
	- Gray Mortar		Non-fibrous Particulate 100%



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## ASBESTOS BULK SAMPLING & ANALYSIS

Client: Environmental Restoration, LLC  
Project: 154 Olive St., Elria, Ohio  
Diamond Work Order: 9-0104

Sampling Date: 9-14-09  
Hygienist: Keith Bickel / Steve Masters  
Building: 15

Sample Number	Material	Functional Space	Analysis
15-01	Roof Material - Black Roofing	Building 15 - Collapsed Roof inside Building	Cellulose fibers 20% Non-fibrous Particulate 80%
	- Black Roofing		Fiberglass 30% Non-fibrous Particulate 70%
15-02	Roof Material - Black Roofing	Building 15 - Collapsed Roof inside Building	Cellulose fibers 25% Non-fibrous Particulate 75%
	- Black Roofing		Fiberglass 30% Non-fibrous Particulate 70%
15-03	Roof Material - Black Roofing	Building 15 - Collapsed Roof inside Building	Cellulose fibers 10% Fiberglass 10% Non-fibrous Particulate 80%
	- Black Roofing		Chrysotile Asbestos 10% Fiberglass 20% Non-fibrous Particulate 70%



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## ASBESTOS BULK SAMPLING & ANALYSIS

Client: Environmental Restoration, LLC  
Project: 154 Olive St., Elria, Ohio  
Diamond Work Order: 9-0104

Sampling Date: 9-14-09  
Hygienist: Keith Bickel / Steve Masters  
Buildings 16,17, & 19

Sample Number	Material	Functional Space	Analysis
17-01	Black Roof Material	Building 16, 17, 19 Area - South	Cellulose fibers 20% Non-fibrous Particulate 80%
17-02	Yellow Ceramic Tile	Building 16, 17, 19 Area - South	Non-fibrous Particulate 100%
17-03	Ground Debris -Gray Plaster	Building 16, 17, 19 Area - South	Non-fibrous Particulate 100%
	- Gray Plaster	Building 16, 17, 19 Area - South	Non-fibrous Particulate 100%
17-04	Floor Tile & Mastic - Tan Floor Tile	Building 16, 17, 19 Area - South	Non-fibrous Particulate 100%
	- Gray Mastic		Non-fibrous Particulate 100%
17-05	Ceramic Tile & Plaster - White Tile	Building 16, 17, 19 Area - Southeast	Non-fibrous Particulate 100%
	- Gray Plaster		Non-fibrous Particulate 100%
17-06	Black Cable Insulation	Building 16, 17, 19 Area - South	Cellulose fibers 60% Synthetic fibers 40%
17-07	Brown Roofing Material	Building 16, 17, 19 Area - South	Cellulose fibers 20% Non-fibrous Particulate 80%
17-08	Brick & Mortar - White Brick	Building 16, 17, 19 Area - South	Non-fibrous Particulate 100%
	- White Mortar		Non-fibrous Particulate 100%
17-09	Black Ground Debris	Building 16, 17, 19 Area - South	<b>Chrysotile Asbestos</b> 3% Cellulose fibers 17% Synthetic fibers 10% Non-fibrous Particulate 70%
17-10	Black Tar Plaster	Building 16, 17, 19 Area - South	Cellulose fibers 7% Non-fibrous Particulate 93%
17-11	Black Roofing Material	Building 16, 17, 19 Area - South	Cellulose fibers 15% Non-fibrous Particulate 85%
17-12	Tar on Galvanized Metal -Black Tar	Building 16, 17, 19 Area - South	Fiberglass 7% Non-fibrous Particulate 93%
17-13	Tar on Brick - Black Tar	Building 16, 17, 19 Area - Center	<b>Chrysotile Asbestos</b> 3% Cellulose fibers 7% Non-fibrous Particulate 90%
17-14	Red Mortar	Building 16, 17, 19 Area - Center	Non-fibrous Particulate 100%



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Project: 154 Olive St., Elria, Ohio  
Diamond Work Order: 9-0104

Sampling Date: 9-14-09  
Hygienist: Keith Bickel / Steve Masters  
Buildings 16,17, & 19

Sample Number	Material	Functional Space	Analysis
17-15	Black Roofing	Building 16, 17, 19 Area - Center	Chrysotile Asbestos 10% Cellulose fibers 20% Non-fibrous Particulate 70%
17-16	Gray Ceramic Material	Building 16, 17, 19 Area - Center	Non-fibrous Particulate 100%
17-17	Black Tar on Red Brick	Building 16, 17, 19 Area - Center West	Fiberglass 3% Non-fibrous Particulate 97%
17-18	Debris on I-Beam - Red Material	Building 16, 17, 19 Area - Center	Non-fibrous Particulate 100%
	- Gray Material		Non-fibrous Particulate 100%
17-19	Black Roofing	Building 16, 17, 19 Area - Center	Chrysotile Asbestos 5% Cellulose fibers 10% Non-fibrous Particulate 85%
17-20	Gray Pulverized Material	Building 16, 17, 19 Area - Center	Non-fibrous Particulate 100%
17-21	Brick & Mortar - Red Brick	Building 16, 17, 19 Area - Center	Non-fibrous Particulate 100%
	- White Mortar		Non-fibrous Particulate 100%
	- Gray Mortar		Non-fibrous Particulate 100%
17-22	Black Tar Paper on Brick	Building 16, 17, 19 Area - North	Chrysotile Asbestos 40% Cellulose fibers 60%
17-23	Black Tar Paper	Building 16, 17, 19 Area - North	Chrysotile Asbestos 10% Cellulose fibers 10% Non-fibrous Particulate 80%
17-24	Black Ground Debris Material	Building 16, 17, 19 Area - North	Chrysotile Asbestos 3% Cellulose fibers 17% Synthetic fibers 10% Non-fibrous Particulate 70%
17-25	Black Tar Paper on Stone	Building 16, 17, 19 Area - North	Cellulose fibers 30% Fiberglass 30% Non-fibrous Particulate 40%
17-26	Gray Mortar on I-Beam	Building 16, 17, 19 Area - Northeast	Non-fibrous Particulate 100%
17-27	Black I-Beam Coating	Building 16, 17, 19 Area - North	Non-fibrous Particulate 100%



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Client: Environmental Restoration, LLC  
Project: 154 Olive St., Elria, Ohio  
Diamond Work Order: 9-0104

Sampling Date: 9-14-09  
Hygienist: Keith Bickel / Steve Masters  
Buildings 16,17, & 19

Sample Number	Material	Functional Space	Analysis
17-28	Tar on Brick	Building 16, 17, 19 Area - North	Synthetic fibers 10% Non-fibrous Particulate 90%
17-29	Tar on Metal	Building 16, 17, 19 Area - North	Synthetic fibers 10% Non-fibrous Particulate 90%
17-30	I-Beam Coating	Building 16, 17, 19 Area - North	Non-fibrous Particulate 100%
17-31	Ceramic Tile & Plaster - Black Tile	Building 16, 17, 19 Area - South	Non-fibrous Particulate 100%
	- Gray Plaster		Non-fibrous Particulate 100%
	- Gray Plaster		Non-fibrous Particulate 100%
17-32	Plaster	Building 16, 17, 19 Area - South	Non-fibrous Particulate 100%
17-33	Tar on Stone	Building 16, 17, 19 Area - South	Cellulose fibers 30% Non-fibreus Particulate 70%
17-34	Debris	Building 16, 17, 19 Area - South	Cellulose fibers 4% Non-fibrous Particulate 96%



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Sampling Date: 9-14-09  
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Buildings 18

Sample Number	Material	Functional Space	Analysis
18-01	Roof Material - Black Roofing	Building 18 Rubble Pile Area - South	<b>Chrysotile Asbestos</b> 3% Cellulose fibers 17% Non-fibrous Particulate 80%
	- Gray Roofing		<b>Chrysotile Asbestos</b> 60% Cellulose fibers 30% Non-fibrous Particulate 10%
18-02	Plaster - White Skim Coat	Building 18 Rubble Pile Area - South	Non-fibrous Particulate 100%
	- White Plaster		Non-fibrous Particulate 100%
18-03	Ceramic Tile & Plaster - Black Tile	Building 18 Rubble Pile Area - South	Non-fibrous Particulate 100%
	- Gray Plaster		Non-fibrous Particulate 100%
	- Gray Plaster		Non-fibrous Particulate 100%
18-04	Black Pipe Coating	Building 18 Rubble Pile Area - South	<b>Chrysotile Asbestos</b> < 1% Cellulose fibers 1% Non-fibrous Particulate 98%
18-05	Brown I-Beam Coating	Building 18 Rubble Pile Area - South	Non-fibrous Particulate 100%
18-06	Black Debris	Building 18 Rubble Pile Area - South	<b>Chrysotile Asbestos</b> < 1% Cellulose fibers 9% Fiberglass 5% Non-fibrous Particulate 85%
18-07	Black Cement Pad Coating	Building 18 Rubble Pile Area - South	<b>Chrysotile Asbestos</b> 2% Cellulose fibers 1% Non-fibrous Particulate 97%
18-08	Brown I-Beam Coating	Building 18 Rubble Pile Area - Southeast	Non-fibrous Particulate 100%
18-09	White Wire Insulation	Building 18 Rubble Pile Area - Southeast	Cellulose fibers 6% Non-fibrous Particulate 94%
18-10	Gray Ceramic Conduit	Building 18 Rubble Pile Area - Southeast	Non-fibrous Particulate 100%
18-11	Gray Debris	Building 18 Rubble Pile Area - South	Cellulose fibers 30% Synthetic fibers 10% Mineral Wool 20% Non-fibrous Particulate 40%



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Buildings 18

Sample Number	Material	Functional Space	Analysis
8-12	Brick & Mortar - Red Brick	Building 18 Rubble Pile Area - Center	Non-fibrous Particulate 100%
	- Gray Mortar		Non-fibrous Particulate 100%
18-13	Roof Material - Black Roofing	Building 18 Rubble Pile Area - Center	Cellulose fibers 20% Non-fibrous Particulate 80%
	- Gray Roofing		Fiberglass 10% Non-fibrous Particulate 90%
	- Gray Roofing		Cellulose fibers 60% Non-fibrous Particulate 40%
18-15	Black Tar on Stone	Building 18 Rubble Pile Area - North	Fiberglass 7% Non-fibrous Particulate 93%
18-14	Gray Fiberboard	Building 18 Rubble Pile Area - Center	<b>Chrysotile Asbestos</b> 60% Cellulose fibers 40%
18-16	Gray Electrical Insulators	Building 18 Rubble Pile Area - North	Non-fibrous Particulate 100%
18-17	Black Tar on Concrete Window Sill	Building 18 Rubble Pile Area - North	<b>Chrysotile Asbestos</b> 2% Cellulose fibers 1% Non-fibrous Particulate 97%
18-18	Gray Window caulking	Building 18 Rubble Pile Area - North	<b>Chrysotile Asbestos</b> <1% Cellulose fibers 3% Non-fibrous Particulate 96%
18-19	White Electrical Wiring	Building 18 Rubble Pile Area - North	Fiberglass 100%
18-20	Gray Window Caulking	Building 18 Rubble Pile Area - North	Non-fibrous Particulate 100%
18-21	Black Tar Coating on Metal	Building 18 Rubble Pile Area - North	Synthetic fibers 40% Non-fibrous Particulate 60%
18-22	Roof Material - Black Roofing	Building 18 Rubble Pile Area - North	<b>Chrysotile Asbestos</b> 3% Non-fibrous Particulate 97%
	- Gray Paper		<b>Chrysotile Asbestos</b> 75% Cellulose fibers 25%
	- Black Roofing		<b>Chrysotile Asbestos</b> 5% Cellulose fibers 5% Non-fibrous Particulate 90%



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Diamond Work Order: 9-0104

Sampling Date: 9-14-09  
Hygienist: Keith Bickel / Steve Masters  
Buildings 18

Sample Number	Material	Functional Space	Analysis
18-23	Black Coating on Metal	Building 18 Rubble Pile Area - North of Wall	Chrysotile Asbestos < 1% Cellulose fibers 1% Non-fibrous Particulate 98%
18-24	Pipe Wrap - Black Pipe Wrap	Building 18 Rubble Pile Area - North of Wall	Cellulose fibers 30% Non-fibrous Particulate 70%
	- White Pipe Wrap		Fiberglass 100%
18-25	Gray Fiberboard	Building 18 Rubble Pile Area - North of Wall	Chrysotile Asbestos 30% Cellulose fibers 70%
18-26	White I-Beam Coating	Building 18 Rubble Pile Area - North of Wall	Non-fibrous Particulate 100%
18-27	Black Tar on Sheet Metal	Building 18 Rubble Pile Area - North of Wall	Fiberglass 6% Non-fibrous Particulate 94%
18-28	Gray/Black Roofing Material	Building 18 Rubble Pile Area - North of Wall	Chrysotile Asbestos 60% Cellulose fibers 40%
18-29	Black Debris	Building 18 Rubble Pile Area - East	Cellulose fibers 30% Non-fibrous Particulate 70%



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Client: Environmental Restoration, LLC  
Project: 154 Olive St., Elria, Ohio  
Diamond Work Order: 9-0104

Sampling Date: 9-14-09  
Hygienist: Keith Bickel / Steve Masters  
Buildings 21, 23

Sample Number	Material	Functional Space	Analysis
23-01	Brown Cabinet Coating	Buildings Rubble Pile 21, 23 Area - South	Non-fibrous Particulate 100%
23-02	Black Debris	Buildings Rubble Pile 21, 23 Area – South	Chrysotile Asbestos 3% Cellulose fibers 7% Fiberglass 10% Non-fibrous Particulate 80%
23-03	Black Debris	Buildings Rubble Pile 21, 23 Area – South	Chrysotile Asbestos 20% Cellulose fibers 20% Non-fibrous Particulate 60%
23-04	Gray Slate	Buildings Rubble Pile 21, 23 Area - Center	Non-fibrous Particulate 100%
23-05	Brick & Mortar - Red Brick	Buildings Rubble Pile 21, 23 Area - Center	Non-fibrous Particulate 100%
	- Tan Mortar		Non-fibrous Particulate 100%
23-06	Black Electrical Insulation	Buildings Rubble Pile 21, 23 Area - Center	Non-fibrous Particulate 100%
23-07	Brown Debris	Buildings Rubble Pile 21, 23 Area - East	Cellulose fibers 7% Non-fibrous Particulate 93%
23-08	Black Ground Debris	Buildings Rubble Pile 21, 23 Area - Southeast	Chrysotile Asbestos < 1% Cellulose fibers 5% Non-fibrous Particulate 94%
23-09	Brown I-Beam Insulation	Buildings Rubble Pile 21, 23 Area - Southeast	Non-fibrous Particulate 100%
23-10	Floor Tile	Buildings Rubble Pile 21, 23 Area - Southeast	Chrysotile Asbestos 8% Cellulose fibers 2% Non-fibrous Particulate 90%
23-11	Gray Ceramic Conduit	Buildings Rubble Pile 21, 23 Area - South	Non-fibrous Particulate 100%
23-12	Black Debris	Buildings Rubble Pile 21, 23 Area - South	Cellulose fibers 30% Non-fibrous Particulate 70%
23-13	White Debris	Buildings Rubble Pile 21, 23 Area - South	Non-fibrous Particulate 100%



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Project: 154 Olive St., Elria, Ohio  
Diamond Work Order: 9-0104

Sampling Date: 9-14-09  
Hygienist: Keith Bickel / Steve Masters  
Buildings 21, 23

Sample Number	Material	Functional Space	Analysis
23-14	Red Mortar	Buildings Rubble Pile 21, 23 Area - Southwest	Non-fibrous Particulate 100%
23-15	Red Coating	Buildings Rubble Pile 21, 23 Area - South	Non-fibrous Particulate 100%
23-16	Gray Ceramic Conduit	Buildings Rubble Pile 21, 23 Area - South	Non-fibrous Particulate 100%
23-17	Tan Floor Tile (No Adhesive)	Buildings Rubble Pile 21, 23 Area - South	Chrysotile Asbestos 2% Cellulose fibers 1% Non-fibrous Particulate 97%
23-18	Black Tar on Stone	Buildings Rubble Pile 21, 23 Area - West	Fiberglass 7% Non-fibrous Particulate 93%
23-19	Black Tar on Brick	Buildings Rubble Pile 21, 23 Area - West	Chrysotile Asbestos 6% Cellulose fibers 4% Non-fibrous Particulate 90%
23-20	Black Roofing	Buildings Rubble Pile 21, 23 Area - West	Chrysotile Asbestos 20% Cellulose fibers 20% Non-fibrous Particulate 60%
23-21	Brick & Mortar - Red Brick	Buildings Rubble Pile 21, 23 Area - Northwest	Non-fibrous Particulate 100%
	- White Mortar		Non-fibrous Particulate 100%



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## ASBESTOS BULK SAMPLING & ANALYSIS

Client: Environmental Restoration, LLC  
Project: 154 Olive St., Elria, Ohio  
Diamond Work Order: 9-0104

Sampling Date: 9-14-09  
Hygienist: Keith Bickel / Steve Masters  
Buildings      13, Courtyard

Sample Number	Material	Functional Space	Analysis
CY-01	Black Tar on Stone	Building 13, Courtyard Rubble Pile Area - East	Cellulose fibers 6% Non-fibrous Particulate 94%
CY-02	Gray Debris	Building 13, Courtyard Rubble Pile Area - East	Chrysotile Asbestos < 1% Cellulose fibers 1% Non-fibrous Particulate 98%
CY-03	TSI – Pipe Wrap - Black Pipe Wrap	Building 13, Courtyard Rubble Pile Area - East	Cellulose fibers 30% Non-fibrous Particulate 70%
	- White TSI Material		Fiberglass 100%
CY-04	Gray Debris	Building 13, Courtyard Rubble Pile Area – Northeast - Entrance to Bldg. 15	Chrysotile Asbestos 4% Cellulose fibers 2% Fiberglass 4% Non-fibrous Particulate 90%
CY-05	Black Debris	Building 13, Courtyard Rubble Pile Area – Northeast	Chrysotile Asbestos < 1% Cellulose fibers 30% Non-fibrous Particulate 69%
CY-06	Black Tar Coating on Metal	Building 13, Courtyard Rubble Pile Area – North	Cellulose fibers 20% Fiberglass 10% Non-fibrous Particulate 70%
CY-07	White Debris	Building 13, Courtyard Rubble Pile Area – North - Entrance to Bldg. 15	Chrysotile Asbestos 30% Non-fibrous Particulate 70%
CY-08	Black Coating on Metal	Building 13, Courtyard Rubble Pile Area – North	Non-fibrous Particulate 100%
CY-09	Black Roofing	Building 13, Courtyard Rubble Pile Area – North	Cellulose fibers 30% Non-fibrous Particulate 70%
CY-10	Gray Debris	Building 13, Courtyard Rubble Pile Area – Center	Cellulose fibers 2% Non-fibrous Particulate 98%
CY-11	Pulverized Block & Mortar – Gray Block	Building 13, Courtyard Rubble Pile Area – Center	Non-fibrous Particulate 100%
	- Gray Mortar		Non-fibrous Particulate 100%
CY-12	TSI Fitting - White Mud Insulation	Building 13, Courtyard Rubble Pile Area – West	Chrysotile Asbestos 5% Cellulose fibers 5% Non-fibrous Particulate 90%



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Client: Environmental Restoration, LLC  
Project: 154 Olive St., Elria, Ohio  
Diamond Work Order: 9-0104

Sampling Date: 9-14-09  
Hygienist: Keith Bickel / Steve Masters  
Buildings      13, Courtyard

Sample Number	Material	Functional Space	Analysis
CY-13	White Electrical Insulation	Building 13, Courtyard Rubble Pile Area – West	Chrysotile Asbestos 5% Amosite Asbestos 3% Cellulose fibers 2% Non-fibrous Particulate 90%
CY-14	Unknown - White Material	Building 13, Courtyard Rubble Pile Area – Northwest	Fiberglass 95% Non-fibrous Particulate 5%
CY-15	TSI Pipe Insulation - Gray Insulation	Building 13, Courtyard Rubble Pile Area – Pipe sticking out of Bldg. 12	Chrysotile Asbestos 5% Cellulose fibers 15% Non-fibrous Particulate 80%
CY-16	Tan Electrical Wiring	Building 13, Courtyard Rubble Pile Area – Electrical Box	Non-fibrous Particulate 100%
CY-17	Black Insulator Panel	Building 13, Courtyard Rubble Pile Area – Electrical Box	Non-fibrous Particulate 100%
CY-18	Black Debris	Building 13, Courtyard Rubble Pile Area – West near Electrical Box	Chrysotile Asbestos < 1% Cellulose fibers 4% Non-fibrous Particulate 95%
CY-19	Black Debris	Building 13, Courtyard Rubble Pile Area – West near Electrical Box	Chrysotile Asbestos 4% Cellulose fibers 2% Non-fibrous Particulate 94%



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Client: Environmental Restoration, LLC  
Project: 154 Olive St., Elria, Ohio  
Diamond Work Order: 9-0104

Sampling Date: 9-14-09  
Hygienist: Keith Bickel / Steve Masters  
Area: Olive & Taylor St. Sidewalks

Sample Number	Material	Functional Space	Analysis
OS-01	Gray Debris Material	Olive Street Sidewalk - North	<b>Chrysotile Asbestos</b> < 1% Cellulose fibers 1% Non-fibrous Particulate 98%
OS-02	Gray Debris Material	Olive Street Sidewalk - Center	<b>Chrysotile Asbestos</b> 2% Cellulose fibers 1% Non-fibrous Particulate 97%
OS-03	Gray Debris Material	Olive Street Sidewalk - South	Cellulose fibers 2% Non-fibrous Particulate 98%
TS-01	Gray Debris Material	Taylor Street Sidewalk - Corner of Olive & Taylor St.	<b>Chrysotile Asbestos</b> < 1% Cellulose fibers 1% Non-fibrous Particulate 98%
TS-02	Gray Debris Material	Taylor Street Sidewalk	Cellulose fibers 3% Non-fibrous Particulate 97%
TS-03	Gray Debris Material	Taylor Street Sidewalk	<b>Chrysotile Asbestos</b> < 1% Cellulose fibers 1% Non-fibrous Particulate 98%
TS-04	Gray Debris Material	Taylor Street Sidewalk	<b>Chrysotile Asbestos</b> < 1% Cellulose fibers 1% Non-fibrous Particulate 98%
TS-05	Gray Debris Material	Taylor Street Sidewalk	<b>Chrysotile Asbestos</b> < 1% Cellulose fibers 1% Non-fibrous Particulate 98%
TS-06	Gray Debris Material	Taylor Street Sidewalk	<b>Chrysotile Asbestos</b> < 1% Cellulose fibers 1% Non-fibrous Particulate 98%



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Client: Environmental Restoration, LLC  
Project: 154 Olive St., Elria, Ohio  
Diamond Work Order: 9-0104

Sampling Date: 9-14-09  
Hygienist: Keith Bickel  
Building: QA/QC - DUPLICATES

Sample Numbers	Material	Original Analysis		Duplicate Sample Analysis	
<b>D-01</b> 1-3-02	Red Brick	Non-fibrous Particulate	100%	Non-fibrous Particulate	100%
	Gray Mortar	Non-fibrous Particulate	100%	Non-fibrous Particulate	100%
<b>D-02</b> 1-3-11	Tan Floor Tile	<b>Chrysotile Asbestos</b>	2%	<b>Chrysotile Asbestos</b>	2%
		Non-fibrous Particulate	98%	Non-fibrous Particulate	98%
<b>D-03</b> 1-3-28	Black Mastic	<b>Chrysotile Asbestos</b>	2%	<b>Chrysotile Asbestos</b>	3%
		Non-fibrous Particulate	98%	Non-fibrous Particulate	97%
<b>D-04</b> 4-7-04	Brown Insulation	Cellulose fibers	100%	Cellulose fibers	100%
<b>D-04</b> 4-7-04	Black Roofing	<b>Chrysotile Asbestos</b>	30%	<b>Chrysotile Asbestos</b>	20%
		Cellulose fibers	60%	Cellulose fibers	30%
		Non-fibrous Particulate	10%	Non-fibrous Particulate	50%
<b>D-05</b> 4-7-16	Black Pumice	Non-fibrous Particulate	100%	Non-fibrous Particulate	100%
<b>D-06</b> 4-7-24	Black Ground Debris	<b>Chrysotile Asbestos</b>	2%	<b>Chrysotile Asbestos</b>	< 1%
		Cellulose fibers	2%	Cellulose fibers	5%
		Non-fibrous Particulate	96%	Non-fibrous Particulate	94%
<b>D-07</b> 8-02	Gray Plaster	Non-fibrous Particulate	100%	Non-fibrous Particulate	100%
<b>D-08</b> 8-16	White Floor Tile	Non-fibrous Particulate	100%	Non-fibrous Particulate	100%
	Yellow Mastic	Non-fibrous Particulate	100%	Non-fibrous Particulate	100%
<b>D-09</b> 9-05	Black Roof Paper	Cellulose fibers	30%	Cellulose fibers	30%
		Non-fibrous Particulate	70%	Non-fibrous Particulate	70%
<b>D-10</b> 9-20	Black/Gray Tar Paper	<b>Chrysotile Asbestos</b>	30%	<b>Chrysotile Asbestos</b>	45%
		Cellulose fibers	30%	Cellulose fibers	10%
		Non-fibrous Particulate	10%	Non-fibrous Particulate	45%
<b>D-11</b> 17-04	Tan Floor Tile	Non-fibrous Particulate	100%	Non-fibrous Particulate	100%
	Gray Mastic	Non-fibrous Particulate	100%	Non-fibrous Particulate	100%
<b>D-12</b> 17-14	Red Mortar	Non-fibrous Particulate	100%	Non-fibrous Particulate	100%



# Diamond Environmental

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## ASBESTOS BULK SAMPLING & ANALYSIS

Client: Environmental Restoration, LLC  
Project: 154 Olive St., Elria, Ohio  
Diamond Work Order: 9-0104

Sampling Date: 9-14-09  
Hygienist: Keith Bickel  
Building: QA/QC - DUPLICATES

Sample Numbers	Material	Original Analysis		Duplicate Sample Analysis	
<b>D-13</b> 17-27	Black I-Beam Coating	Non-fibrous Particulate	100%	Non-fibrous Particulate	100%
<b>D-14</b> 18-10	Gray Ceramic Conduit Material	Non-fibrous Particulate	100%	Non-fibrous Particulate	100%
<b>D-15</b> 18-18	Clear Caulking	Non-fibrous Particulate	100%	Non-fibrous Particulate	100%
<b>D-16</b> 18-25	Gray/Brown Fiberboard	<b>Chrysotile Asbestos</b> Non-fibrous Particulate	30% 70%	<b>Chrysotile Asbestos</b> Non-fibrous Particulate	40% 60%
<b>D-17</b> 23-04	Gray Slate	Non-fibrous Particulate	100%	Non-fibrous Particulate	100%
<b>D-18</b> 23-13	White Debris Material	Non-fibrous Particulate	100%	Non-fibrous Particulate	100%
<b>D-19</b> 23-19	Black Tar on Brick	<b>Chrysotile Asbestos</b> Cellulose fibers Non-fibrous Particulate	6% 4% 90%	<b>Chrysotile Asbestos</b> Cellulose fibers Non-fibrous Particulate	4% 1% 95%
<b>D-20</b> CY-03	Pipe Wrap - White Wrap	Fiberglass	100%	Fiberglass	100%
	- Black Wrap	Cellulose fibers Non-fibrous Particulate	30% 70%	Cellulose fibers Non-fibrous Particulate	20% 80%
<b>D-21</b> CY-06	Tar Coating on Metal	Cellulose fibers Fiberglass Non-fibrous Particulate	7% 13% 80%	Cellulose fibers Fiberglass Non-fibrous Particulate	20% 10% 70%
<b>D-22</b> TS-05	Gray Debris Material	<b>Chrysotile Asbestos</b> Cellulose fibers Non-fibrous Particulate	< 1% 4% 95%	<b>Chrysotile Asbestos</b> Cellulose fibers Non-fibrous Particulate	< 1% 3% 96%

Environmental

Industrial Hygiene

Occupational Safety



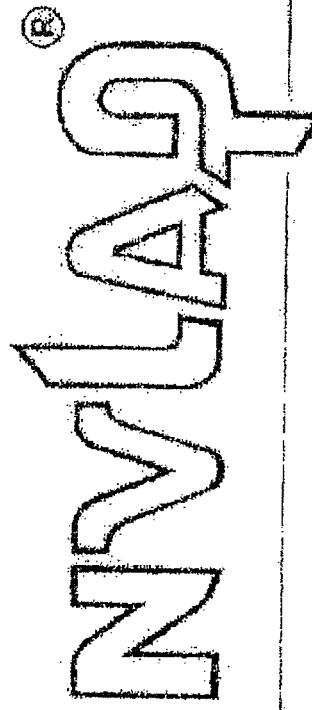
# Diamond Environmental

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## APPENDIX C

### Laboratory Accreditation

United States Department of Commerce  
National Institute of Standards and Technology



## Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 20067P-4

Global Industrial Corp.  
Mesa, AZ

is accredited by the National Voluntary Laboratory Accreditation Program for specific services listed on the Scope of Accreditation for:

### BULK ASBESTOS FIBER ANALYSIS

The laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005  
THIS ACCREDITATION CERTIFIES TECHNICAL COMPETENCE FOR A DEFINED SCOPE AND THE DETERMINATION OF INDUSTRIAL QUALITY MANAGEMENT SYSTEM (REFER TO JSG-HACCP COMMUNIQUE DATED JANUARY 2000)

2014-01-01 through 2015-01-01  
Scope Change



Dale J. Bussey  
For the National Institute of Standards and Technology



National Voluntary  
Laboratory Accreditation Program



## SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Global Industrial Corp.  
6515 E Main Street #128  
Mesa, AZ 85206  
Mr. Michael Koenig  
Phone: 480-497-0280 Fax: 480-497-0540  
E-Mail: GIC\_Reports@nvlap.gov  
URL: [www.globalindustrialcorp.com](http://www.globalindustrialcorp.com)

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE: 200670-6

*NVLAP Code      Designation / Description*

18/001      EPA-600/M4/82-020; Interim Method for the Determination of Asbestos in Bulk Irradiation Samples

2009-04-01 through 2010-03-31

Effective Dates

Page | ref. 1

Dale A. Bruce  
FBI - National Institute of Standards and Technology

NVLAP 01-S-NL2V 2006-06-19

Environmental

Industrial Hygiene

Occupational Safety



# Diamond Environmental

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## APPENDIX D

### Analytical Data

# Global Industrial Corp

Client:	DIAMOND ENVIRONMENTAL	Report #:	09-GIC-1965
		Date of Receipt:	9/16/2009
Project:	154 OLIVE ST S-0104	Report Date:	9/17/2009
		Date of Analysis:	9/17/2009

Client #	Sample Location	Material Description	Detection	Composition	
1-3-01	Building 1-3 Area Northeast Section	Drywall, White	None Detected	Cellulose	10%
				Non Fibrous	90%
1-3-02 Layer 1	Building 1-3 Area Northeast Section	Brick, Red	None Detected	Non Fibrous	100%
1-3-02 Layer 2	Building 1-3 Area Northeast Section	Mortar, Gray	None Detected	Non Fibrous	100%
1-3-03 Layer 1	Building 1-3 Area Northeast Section	Roofing Material, White	None Detected	Non Fibrous	100%
1-3-03 Layer 2	Building 1-3 Area Northeast Section	Roofing, Black	None Detected	Cellulose	5%
				Non Fibrous	95%
1-3-04 Layer 1	Building 1-3 Area Northeast Section	Plaster, Black	None Detected	Non Fibrous	100%
1-3-04 Layer 2	Building 1-3 Area Northeast Section	Mesh, Black	None Detected	Non Fibrous	100%
1-3-05	Building 1-3 Area Northwest Section	Roofing Material, Black	None Detected	Fiberglass	20%
				Non Fibrous	80%
1-3-06	Building 1-3 Area Northwest Section	Roofing Insulation, Brown	None Detected	Cellulose	100%

Client #	Sample Location	Material Description	Detection	Composition	
1-3-07 Layer 1	Building 1-3 Area Northwest Section	Floor Tile, Red	Chrysotile	2%	Non Fibrous 98%
1-3-07 Layer 2	Building 1-3 Area Northwest Section	Mastic, Black	Chrysotile	3%	Non Fibrous 97%
1-3-07 Layer 3	Building 1-3 Area Northwest Section	Floor Tile, White	Chrysotile	<1%	Non Fibrous 99%
1-3-07 Layer 4	Building 1-3 Area Northwest Section	Mastic, Black	Chrysotile	3%	Non Fibrous 97%
1-3-08	Building 1-3 Area Northwest Section	Caulking, Gray	None Detected	Non Fibrous	100%
1-3-09 Layer 1	Building 1-3 Area Northwest Section	Brick, Red	None Detected	Non Fibrous	100%
1-3-09 Layer 2	Building 1-3 Area Northwest Section	Mortar, White	None Detected	Non Fibrous	100%
1-3-09 Layer 3	Building 1-3 Area Northwest Section	Tar, Black	None Detected	Cellulose Non Fibrous	20% 80%
1-3-10 Layer 1	Building 1-3 Area West Section	Roofing, Black	None Detected	Cellulose Non Fibrous	20% 80%
1-3-10 Layer 2	Building 1-3 Area West Section	Insulation, Brown	None Detected	Cellulose	100%
1-3-11 Layer 1	Building 1-3 Area West Section	Floor Tile, Tan	Chrysotile	2%	Non Fibrous 98%
1-3-11 Layer 2	Building 1-3 Area West Section	Mastic, Black	Chrysotile	2%	Non Fibrous 98%
1-3-12 Layer 1	Building 1-3 Area West Section	Roofing, Black	None Detected	Cellulose Non Fibrous	20% 80%
1-3-12 Layer 2	Building 1-3 Area West Section	Insulation, Brown	None Detected	Cellulose	100%

Client #	Sample Location	Material Description	Detection	Composition	
1-3-13 Layer 1	Building 1-3 Area West Section	Floor Tile, Red	Chrysotile	3%	Non Fibrous 97%
1-3-13 Layer 2	Building 1-3 Area West	Mastic, Black	Chrysotile	3%	Non Fibrous 97%
1-3-14	Building 1-3 Area West Section	Coating, Black	None Detected	Cellulose Non Fibrous	10% 90%
1-3-15 Layer 1	Building 1-3 Area West Section	Brick, Red	None Detected	Non Fibrous	100%
1-3-15 Layer 2	Building 1-3 Area West Section	Mortar, White	None Detected	Non Fibrous	100%
1-3-16 Layer 1	Building 1-3 Area Southwest Section	Floor Tile, Red	Chrysotile	3%	Non Fibrous 97%
1-3-16 Layer 2	Building 1-3 Area Southwest	Mastic, Black	Chrysotile	2%	Non Fibrous 98%
1-3-16 Layer 3	Building 1-3 Area Southwest Section	Floor Tile, White	Chrysotile	2%	Non Fibrous 98%
1-3-16 Layer 4	Building 1-3 Area Southwest	Mastic, Black	Chrysotile	2%	Non Fibrous 98%
1-3-16 Layer 5	Building 1-3 Area Southwest Section	Floor Tile, Black	Chrysotile	2%	Non Fibrous 98%
1-3-16 Layer 6	Building 1-3 Area Southwest	Mastic, Black	Chrysotile	2%	Non Fibrous 98%
1-3-17	Building 1-3 Area Southwest Section	Tar Paper, Black	None Detected	Cellulose Non Fibrous	30% 70%
1-3-18	Building 1-3 Area Southwest Area	Debris Material, Black	None Detected	Cellulose Non Fibrous	10% 90%
1-3-19	Building 1-3 Area Southwest Area	Tar Paper, Black	None Detected	Cellulose Non Fibrous	25% 75%
1-3-20	Building 1-3 Area Southwest Area	Debris, Gray	None Detected	Non Fibrous	100%

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Page  
 08-GIC-1965

Client #	Sample Location	Material Description	Detection	Composition	
1-3-21	Building 1-3 Area Southwest	Paper Material, Brown/Gray	Chrysotile	10%	Non Fibrous 90%
1-3-22	Building 1-3 Area Southwest	Roofing, Brown	None Detected	Cellulose Synthetic Fibers Non Fibrous	10% 40% 50%
1-3-23	Building 1-3 Area Southwest Between Floor & Wall	Tar Bedding, Black	Chrysotile	2%	Cellulose Non Fibrous
1-3-24	Building 1-3 Area Southwest	Gasket, Black	None Detected	Non Fibrous	100%
1-3-25	Building 1-3 Area Southwest	Pipe Covering, Gray	None Detected	Non Fibrous	100%
1-3-26	Building 1-3 Area West	Tar Material, Black	None Detected	Cellulose Non Fibrous	1% 99%
1-3-27	Building 1-3 Northwest	Debris Material, Black	Chrysotile	<1%	Cellulose Non Fibrous
1-3-28	Building 1-3 Area Northwest	Insulation, Brown	None Detected	Cellulose	100%
1-3-29	Building 1-3 Area Northwest	I Beam Material, Tan	None Detected	Non Fibrous	100%
1-3-30	Building 1-3 North	Caulk, Gray	Chrysotile	4%	Cellulose Non Fibrous
1-3-31	Building 1-3 Area Northeast	Plaster, Gray	None Detected	Cellulose Non Fibrous	2% 98%
1-3-32	Building 1-3 Area East Center	Debris Material, White	Chrysotile	8%	Cellulose Non Fibrous
1-3-33	Building 1-3 Area Southeast Side	Debris Material, Black	None Detected	Cellulose Synthetic Fibers Non Fibrous	5% 5% 90%

Client #	Sample Location	Material Description	Detection	Composition
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**ASBESTOS TYPES:****Chrysotile, Crocidolite, Anthophyllite, Tremolite, Amosite, Actinolite**

The samples listed above were suspect of containing asbestos. A result of "Non Detect" means a thorough search using appropriate techniques was conducted and no type of asbestos was discovered. Samples submitted to this facility will be disposed of unless the client requests the samples be returned. Reports will be archived for a period of no more than 3 years. The analysis performed is in accordance with EPA 600/M4-82-020 with a detection limit of 1%. Test results apply only to the samples submitted. It is not our policy to distribute the customer's information without the written consent of the customer. The test report shall not be reproduced except in full, without the written approval of the laboratory. This report may not be used by the above client to claim product certification, approval or endorsement by NIST, National Voluntary Laboratory Accreditation Program or the Federal Government.

*Shawn Kearney*  
Shawn Kearney  
Laboratory Director  
Analyst

*Angela Kearney*  
Angela Kearney  
President

# Global Industrial Corp

Client: DIAMOND ENVIRONMENTAL Report #: 09-GIC-1963  
 Project: 154 OLIVE ST Date of Receipt: 9/16/2009  
 9-0104 Report Date: 9/17/2009  
 Date of Analysis: 9/17/2009

Client #	Sample Location	Material Description	Detection	Composition		
4-7-01	Building 4-7 North Section	Drywall, White	None Detected	Cellulose	10%	Non Fibrous
				Non Fibrous	90%	
4-7-02 Layer 1	Building 4-7 North Section	Brick, Red	None Detected	Non Fibrous	100%	
4-7-02 Layer 2	Building 4-7 North Section	Mortar, Gray	None Detected	Non Fibrous	100%	
4-7-03	Building 4-7 North Section	TSI Elbow Mud, Gray	None Detected	Cellulose	7%	Non Fibrous
				Non Fibrous	93%	
4-7-04	Building 4-7 North Section	Roofing Material, Black	Chrysotile	30%	Cellulose	60%
				Non Fibrous	10%	
4-7-05	Building 4-7 North Center	TSI Elbow Mud Material, Gray	None Detected	Non Fibrous	100%	
4-7-06	Building 4-7 North Center	Roofing Material, Black/Gray	Chrysotile	20%	Cellulose	30%
				Non Fibrous	50%	
4-7-07	Building 4-7 North Center	Roofing Material, Black	Chrysotile	2%	Cellulose	3%
				Non Fibrous	85%	
4-7-08 Layer 1	Building 4-7 South Section	Ceramic Brick, Gray	None Detected	Non Fibrous	100%	
4-7-08 Layer 2	Building 4-7 South Section	Mastic, Gray	None Detected	Non Fibrous	100%	

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NVLAP CODE 20067W-0

Client #	Sample Location	Material Description	Detection	Composition	
4-7-09 Layer 1	Building 4-7 South Section	Felt Material, Black	Chrysotile	60%	Cellulose 40%
4-7-09 Layer 2	Building 4-7 South Section	Underlayment, Brown	None Detected	Cellulose	100%
4-7-10	Building 4-7 South East	Transite, Gray	None Detected	Non Fibrous	100%
4-7-11	Building 4-7 South East Section	Pipe Insulation, Gray	Chrysotile	<1% Cellulose Non Fibrous	2% 97%
4-7-12	Building 4-7 South East Section	Pipe Insulation, Gray	Chrysotile	<1% Cellulose Non Fibrous	2% 97%
4-7-13	Building 4-7 South East Section	Ground Debris Material, Black	Chrysotile	<1% Cellulose Non Fibrous	4% 95%
4-7-14	Building 4-7 South East Section	Ground Debris Material, Black	Chrysotile	2% Cellulose Non Fibrous	3% 95%
4-7-15	Building 4-7 Electrical Southeast Section	Transite Panel, Black	None Detected	Non Fibrous	100%
4-7-16	Building 4-7 Southeast South Near Hopper	Pumice Material, Black	None Detected	Non Fibrous	100%
4-7-17	Building 4-7 Southeast South	Roof Felt Paper, Black	None Detected	Cellulose Non Fibrous	30% 70%
4-7-18	Building 4-7 East Side	Roofing Material, Black	None Detected	Cellulose Fiberglass Non Fibrous	20% 20% 60%
4-7-19	Building 4-7 East Side	Plaster, Gray	None Detected	Non Fibrous	100%
4-7-20	Building 4-7 East Side	Ground Debris Material, Black	None Detected	Cellulose Fiberglass Non Fibrous	7% 7% 86%

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 NVLAP CODE 200670-0

Page 2  
 09-GIC-1963

Client #	Sample Location	Material Description	Detection	Composition		
4-7-21	Building 4-7 East Side	TSI Pipe Elbow Material, Gray	None Detected	Non Fibrous	100%	
4-7-22	Bldg 4-7 East Side	TSI Pipe Insulation, Black	None Detected	Non Fibrous	100%	
4-7-23 Layer 1	Building 4-7 East Center	Roofing Material, Black	None Detected	Cellulose Non Fibrous	20% 80%	
4-7-23 Layer 2	Building 4-7 East Center	Roofing, Black	None Detected	Cellulose Non Fibrous	30% 70%	
4-7-23 Layer 3	Building 4-7 East Center	Roofing, Black	Chrysotile	5%	Cellulose Non Fibrous	15% 85%
4-7-24	Building 4-7 East Of Hopper	Ground Debris Material Black	Chrysotile	2%	Cellulose Non Fibrous	2% 98%
4-7-25	Building 4-7 East Of Hopper	Ground Debris Material Black	Chrysotile	3%	Cellulose Non Fibrous	2% 95%
4-7-26	Building 4-7 East Of Hopper	Ground Debris Material Black	Chrysotile	<1%	Cellulose Non Fibrous	3% 98%
4-7-27	Bldg 4-7 East Of Hopper	Plaster, Gray	None Detected	Non Fibrous	100%	
4-7-28	Bldg 4-7 East Of Hopper	Drywall, White	None Detected	Cellulose Non Fibrous	10% 90%	

**ASBESTOS TYPES:**

Chrysotile, Crocidolite, Anthophyllite, Tremolite, Amosite, Actinolite

The samples listed above were suspect of containing asbestos. A result of "Non Detect" means a thorough search using appropriate techniques was conducted and no type of asbestos was discovered. Samples submitted to this facility will be disposed of unless the client requests the samples be returned. Reports will be archived for a period of no more than 3 years. The analysis performed is in accordance with EPA 608/M4-82-020 with a detection limit of 1%. Test results apply only to the samples submitted. It is not our policy to distribute the customer's information without the written consent of the customer. The test report shall not be reproduced except in full, without the written approval of the laboratory. This report may not be used by the above client to claim product certification, approval or endorsement by NIST, National Voluntary Laboratory Accreditation Program or the Federal Government.

*Shawni Kearney*  
 Shawni Kearney  
 Laboratory Director  
 Analyst

*Angela Kearney*  
 Angela Kearney  
 President

# Global Industrial Corp

Client: DIAMOND ENVIRONMENTAL Report #: 09-GIC-1989  
Project: 154 OLIVE ST Date of Receipt: 9/16/2009  
9-0104 Report Date: 9/17/2009  
Date of Analysis: 9/17/2009

Client #	Sample Location	Material Description	Detection	Composition		
8-01	Bldg 8 Area Southwest Section	Plaster Surfacing, Tan	None Detected	Non Fibrous	100%	
8-02	Bldg 8 Area Southwest Section	Plaster Surfacing, Gray	None Detected	Non Fibrous	100%	
8-03	Bldg 8 Area Southwest Section	Floor Tile, White (No Adhesive W/Sample)	Chrysotile	3% Cellulose Non Fibrous	1% 96%	
8-04	Bldg 8 Area Southwest	Plaster Surfacing, Gray	None Detected	Non Fibrous	100%	
8-05	Bldg 8 Area South Center	Roof Paper, Gray	Chrysotile	60% Cellulose	40%	
8-06 Layer 1	Bldg 8 Area South Center	Floor Tile, Black	Chrysotile	2% Non Fibrous	98%	
8-06 Layer 2	Bldg 8 Area South Center	Mastic, Black	Chrysotile	2% Non Fibrous	98%	
8-07	Bldg 8 Area South Center	Roof Paper, Gray	Chrysotile	60% Cellulose	40%	
8-08	Bldg 8 Area South Center	Molten Material, Gray	None Detected	Fiberglass Non Fibrous	10% 90%	
8-09	Bldg 8 Center	Mortar, Grey	None Detected	Non Fibrous	100%	

Client #	Sample Location	Material Description	Detection	Composition		
8-10 Layer 1	Bldg 8 Center	Roofing, Black	None Detected	Cellulose Non Fibrous	20% 80%	
8-10 Layer 2	Bldg 8 Center	Roofing, Gray	Chrysotile	10%	Cellulose Non Fibrous	10% 80%
8-10 Layer 3	Bldg 8 Center	Underlay, Brown	None Detected	Cellulose	100%	
8-11	Bldg 8 Area Center	Debris, Black	Chrysotile	<1%	Cellulose Non Fibrous	1% 98%
8-12	Bldg 8 Area Southeast	Fiberboard Material, Gray	Chrysotile	7%	Cellulose	83%
8-13 Layer 1	Bldg 8 Area South East	Brick, Red	None Detected	Non Fibrous	100%	
8-13 Layer 2	Bldg 8 Area South East	Mortar, Gray	None Detected	Non Fibrous	100%	
8-14	Bldg 8 Area Southeast	Floor Tile, Brown (No Adhesive W/Sample)	Chrysotile	3%	Cellulose Non Fibrous	2% 95%
8-15	Bldg 8 Area Southeast	Ground Debris Material, Black	Chrysotile	3%	Cellulose Non Fibrous	1% 96%
8-16 Layer 1	Bldg 8 Area South East	Floor Tile, White	None Detected	Non Fibrous	100%	
8-16 Layer 2	Bldg 8 Area South East	Adhesive, Yellow	None Detected	Non Fibrous	100%	
8-17	Bldg 8 Area South East	Plaster Surfacing, Gray	None Detected	Non Fibrous	100%	

Client #	Sample Location	Material Description	Detection	Composition
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**ASBESTOS TYPES:**

Chrysotile, Crocidolite, Anthophyllite, Tremolite, Amosite, Actinolite

The samples listed above were suspect of containing asbestos. A result of "Non Detect" means a thorough search using appropriate techniques was conducted and no type of asbestos was discovered. Samples submitted to this facility will be disposed of unless the client requests the samples be returned. Reports will be archived for a period of no more than 3 years. The analysis performed is in accordance with EPA 600/M4-82-020 with a detection limit of 1%. Test results apply only to the samples submitted. It is not our policy to distribute the customer's information without the written consent of the customer. The test report shall not be reproduced except in full, without the written approval of the laboratory. This report may not be used by the above client to claim product certification, approval or endorsement by NIST, National Voluntary Laboratory Accreditation Program or the Federal Government.

*[Signature]*  
\_\_\_\_\_  
Shawn Kearney  
Laboratory Director  
Analyst

Angela Kearney  
President

# Global Industrial Corp

Client: DIAMOND ENVIRONMENTAL Report #: 09-GIC-1987  
 Project: 154 OLIVE ST Date of Receipt: 9/16/2009  
 9-0104 Report Date: 9/17/2009  
 Date of Analysis: 9/17/2009

Client #	Sample Location	Material Description	Detection	Composition		
9-01 Layer 1	Bldg 9 Area Southwest	Roofing, Black	None Detected	Cellulose Non Fibrous	20% 80%	
9-01 Layer 2	Bldg 9 Area Southwest	Roofing, Black	Chrysotile	5%	Cellulose Non Fibrous	15% 80%
9-01 Layer 3	Bldg 9 Area Southwest	Material, Black	Chrysotile	<1%	Cellulose Non Fibrous	1% 98%
9-02	Bldg 9 Area Southwest	TSI Elbow Mud Material, Tan	None Detected	Non Fibrous	100%	
9-03	Bldg 9 Area Southwest	Debris Material, Black	Chrysotile	2%	Cellulose Non Fibrous	1% 97%
9-04	Bldg 9 Area South	Floor Tile, Brown (No Adhesive W/Sample)	Chrysotile	3%	Cellulose Non Fibrous	1% 96%
9-05	Bldg 9 Area Center	Roof Paper, Black	None Detected	Cellulose Non Fibrous	30% 70%	
9-06	Bldg 9 Area Center	Plaster, Tan	None Detected	Non Fibrous	100%	
9-07	Bldg 9 Area Center	Material, Black	None Detected	Non Fibrous	100%	
9-08	Bldg 9 Area Center	Plaster, Yellow	None Detected	Non Fibrous	100%	

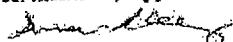
Client #	Sample Location	Material Description	Detection	Composition	
9-09 Layer 1	Bldg 9 Area Center	Floor Tile, White	Chrysotile	2%	Non Fibrous 98%
9-09 Layer 2	Bldg 9 Area Center	Mastic, Black	Chrysotile	3%	Non Fibrous 97%
9-10	Bldg 9 Area Center	Debris Material, Black	None Detected	Synthetic Fibers Non Fibrous	30% 70%
9-11	Bldg 9 Area North Center	Material, White	None Detected	Fiberglass Non Fibrous	20% 80%
9-12 Layer 1	Bldg 9 Area North Center	Brick, Red	None Detected	Non Fibrous	100%
9-12 Layer 2	Bldg 9 Area North Center	Mortar, Gray	None Detected	Non Fibrous	100%
9-13	Bldg 9 Area North Center	TSI Insulation, White	Chrysotile	3%	Cellulose Non Fibrous
9-14	Bldg 9 Northeast	Mud Material, White	Chrysotile	2%	Cellulose Fiberglass Non Fibrous
9-15	Bldg 9 North Center	Debris Material, White	None Detected	Non Fibrous	100%
9-16	Bldg 9 Northeast	TSI Elbow, Tan	None Detected	Non Fibrous	100%
9-17	Bldg 9 Northeast	Ground Debris, Gray	Chrysotile	<1%	Cellulose Non Fibrous
9-18	Bldg 9 East Side	I Beam Coating, Brown	None Detected	Non Fibrous	100%
9-19	Bldg 9 Area East Side	Tar Sealant, Black	None Detected	Fiberglass Non Fibrous	7% 93%
9-20	Bldg 9 East	Tar Paper, Black/Gray	Chrysotile	30%	Cellulose Non Fibrous
					30% 40%

Client #	Sample Location	Material Description	Detection	Composition
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**ASBESTOS TYPES:**

Chrysotile, Crocidolite; Anthophyllite, Tremolite, Amosite, Actinolite

The samples listed above were suspect of containing asbestos. A result of "Non Detect" means a thorough search using appropriate techniques was conducted and no type of asbestos was discovered. Samples submitted to this facility will be disposed of unless the client requests the samples be returned. Reports will be archived for a period of no more than 3 years. The analysis performed is in accordance with EPA 600/M4-82-020 with a detection limit of 1%. Test results apply only to the samples submitted. It is not our policy to distribute the customer's information without the written consent of the customer. The test report shall not be reproduced except in full, without the written approval of the laboratory. This report may not be used by the above client to claim product certification, approval or endorsement by NIST, National Voluntary Laboratory Accreditation Program or the Federal Government.



Shawn Kearney  
Laboratory Director  
Analyst

Angela Kearney  
President

# Global Industrial Corp

Client: DIAMOND ENVIRONMENTAL Report #: 09-GIC-1968  
 Project: 154 OLIVE ST Date of Receipt: 9/16/2009  
 9-0104 Report Date: 9/17/2009  
 Date of Analysis: 9/17/2009

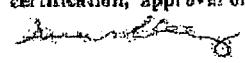
Client #	Sample Location	Material Description	Detection	Composition		
9-01A	Bldg 9 Area Southwest Area	Debris Material, Black	Chrysotile	<1%	Cellulose Non Fibrous	4% 95%
9-02A	Bldg 9 Area Southwest	Slate, Gray	None Detected		Non Fibrous	100%
9-03A	Bldg 9 Area North Center	Ceramic Insulator, White	None Detected		Non Fibrous	100%
9-04A	Bldg 9 Area North Center	Debris Material, Black	Chrysotile	2%	Cellulose Non Fibrous	1% 97%
9-05A Layer 1	Bldg 9 Area - Bldg 10 Southeast	Brick, Red	None Detected		Non Fibrous	100%
9-05A Layer 2	Bldg 9 Area - Bldg 10 Southeast	Mortar, Gray	None Detected		Non Fibrous	100%
9-06A Layer 1	Bldg 10/9 Southeast	Brick, Red	None Detected		Non Fibrous	100%
9-06A Layer 2	Bldg 10/9 Southeast	Mortar, Gray	None Detected		Non Fibrous	100%
10-01A	Bldg 10 Southwest	TSI Elbow Material, Silver	None Detected		Cellulose Non Fibrous	2% 98%
10-02A	Bldg 10 South	Roofing, Black	Chrysotile	20%	Cellulose Non Fibrous	10% 70%

Client #	Sample Location	Material Description	Detection	Composition	
10-03A	Bldg 10 South	Roofing, Black	Chrysotile	20%	Cellulose Non Fibrous
10-04A	Bldg 10 Southwest	Tar, Black	None Detected		Cellulose Non Fibrous
10-05A	Bldg 10 Area Center	I Beam Mortar, White	None Detected		Non Fibrous
10-06A Layer 1	Bldg 10 Area North	Brick, Red	None Detected		Non Fibrous
10-08A Layer 2	Bldg 10 Area North	Mortar, Gray	None Detected		Non Fibrous

**ASBESTOS TYPES:**

Chrysotile, Crocidolite, Anthophyllite, Tremolite, Amosite, Actinolite

The samples listed above were suspect of containing asbestos. A result of "None Detected" means a thorough search using appropriate techniques was conducted and no type of asbestos was discovered. Samples submitted to this facility will be disposed of unless the client requests the samples be returned. Reports will be archived for a period of no more than 3 years. The analysis performed is in accordance with EPA 600/M4-82-020 with a detection limit of 1%. Test results apply only to the samples submitted. It is not our policy to distribute the customer's information without the written consent of the customer. The test report shall not be reproduced except in full, without the written approval of the laboratory. This report may not be used by the above client to claim product certification, approval or endorsement by NIST; National Voluntary Laboratory Accreditation Program or the Federal Government.

  
**Shawn Kearney**  
 Laboratory Director  
 Analyst

  
**Angela Kearney**  
 President

# Global Industrial Corp

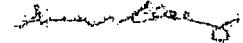
Client: DIAMOND ENVIRONMENTAL Report #: 09-GIC-1970  
 Project: 154 OLIVE ST Date of Receipt: 9/16/2009  
 9-0104 Report Date: 9/17/2009  
 Date of Analysis: 9/17/2009

Client #	Sample Location	Material Description	Detection	Composition	
15-01 Layer 1	Inside Bldg 15	Roofing, Black	None Detected	Cellulose Non Fibrous	20% 80%
15-01 Layer 2	Inside Bldg 15	Roofing, Black	None Detected	Fiberglass- Non Fibrous	30% 70%
15-02 Layer 1	Inside Bldg 15	Roofing, Black	None Detected	Cellulose Non Fibrous	25% 75%
15-02 Layer 2	Inside Bldg 15	Roofing, Black	None Detected	Fiberglass Non Fibrous	30% 70%
15-03 Layer 1	Inside Bldg 15	Roofing, Black	None Detected	Cellulose Fiberglass Non Fibrous	10% 10% 80%
15-03 Layer 2	Inside Bldg 16	Roofing, Black	Chrysotile	10% Fiberglass Non Fibrous	20% 70%

**ASBESTOS TYPES:**

Chrysotile, Crocidolite, Anthophyllite, Tremolite, Amosite, Actinolite

The samples listed above were suspect of containing asbestos. A result of "Not Detect" means a thorough search using appropriate techniques was conducted and no type of asbestos was discovered. Samples submitted to this facility will be disposed of unless the client requests the samples be returned. Reports will be archived for a period of no more than 3 years. The analysis performed is in accordance with EPA 600/M4-82-020 with a detection limit of 1%. Test results apply only to the samples submitted. It is not our policy to distribute the customer's information without the written consent of the customer. The test report shall not be reproduced except in full, without the written approval of the laboratory. This report may not be used by the above client to claim product certification, approval or endorsement by NIST, National Voluntary Laboratory Accreditation Program or the Federal Government.

  
 Shawn Kearney  
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 Angela Kearney  
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 NVLAP CODE 20067Q-0

# Global Industrial Corp

Client: DIAMOND ENVIRONMENTAL

Report #: 09-GIC-1964

9/16/2009

Project: 154 OLIVE ST.  
9-0104

Date of Receipt

9/17/2009

Report Date:

9/17/2009

Date of Analysis:

Client #	Sample Location	Material Description	Detection	Composition	
17-01	Bldg 17 Area South	Roofing Material, Black	None Detected	Cellulose Non Fibrous	20% 80%
17-02 Layer 1	Bldg 17 Area South	Ceramic Tile, Yellow	None Detected	Non Fibrous	100%
17-02 Layer 2	Bldg 17 Area South	Plaster, Gray	None Detected	Non Fibrous	100%
17-02 Layer 3	Bldg 17 Area South	Plaster, Grey	None Detected	Non Fibrous	100%
17-03	Bldg 17 Area South	Ground Debris, Gray	None Detected	Cellulose Non Fibrous	4% 96%
17-04 Layer 1	Bldg 17 Area South	Floor Tile, Tan	None Detected	Non Fibrous	100%
17-04 Layer 2	Bldg 17 Area South	Mastic, Gray	None Detected	Non Fibrous	100%
17-05 Layer 1	Bldg 17 Area Southeast	Ceramic Tile, White	None Detected	Non Fibrous	100%
17-05 Layer 2	Bldg 17 Area Southeast	Plaster, Gray	None Detected	Non Fibrous	100%
17-06	Bldg 17 Area South	Cable Insulation, Black	None Detected	Cellulose Synthetic Fibers	10% 90%

Client #	Sample Location	Material Description	Detection	Composition	
17-07	Bldg 17 Area South	Roofing Material, Brown	None Detected	Cellulose Non Fibrous	60% 40%
17-08 Layer 1	Bldg 17 Area	Brick, White	None Detected	Non Fibrous	100%
17-06 Layer 2	Bldg 17 Area	Mortar, White	None Detected	Non Fibrous	100%
17-09	Bldg 17 Area South	Ground Debris, Black	Chrysotile 3%	Cellulose Synthetic Fibers Non Fibrous	17% 10% 70%
17-10	Bldg 17 Area South	Tar Plaster, Black	None Detected	Cellulose Non Fibrous	7% 93%
17-11	Bldg 17 Area South	Roofing Material, Black	None Detected	Cellulose Non Fibrous	15% 85%
17-12	Bldg 17 Area South	Tar, Black	None Detected	Fiberglass Non Fibrous	7% 93%
17-13	Bldg 17 Area Center	Tar, Black	Chrysotile 2%	Cellulose Non Fibrous	3% 85%
17-14	Bldg 17 Area Center	Mortar, Red	None Detected	Non Fibrous	100%
17-15	Bldg 17 Area Center	Roofing, Black	Chrysotile 10%	Cellulose Non Fibrous	20% 70%
17-16	Bldg 17 Area Center Electric Box	Cermaic Material, Gray	None Detected	Non Fibrous	100%
17-17	Bldg 17 Area Center West	Tar, Black	None Detected	Fiberglass Non Fibrous	3% 97%
17-18 Layer 1	Bldg 17 Area Center	Debris On I Beam Material, Red	None Detected	Non Fibrous	100%
17-19 Layer 2	Bldg 17 Area Center	Material, Gray	None Detected	Non Fibrous	100%

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Page  
 09-GIC-1964

Client #	Sample Location	Material Description	Detection	5%	Composition
17-19	Bldg 17 Area Center	Roofing, Black	Chrysotile	5%	Cellulose Non Fibrous
17-20	Bldg 17 Area Center	Polverized Material, Gray	None Detected		Non Fibrous
17-21 Layer 1	Bldg 17 Area Center	Brick, Red	None Detected		Non Fibrous
17-21 Layer 2	Bldg 17 Area Center	Mortar, White	None Detected		Non Fibrous
17-21 Layer 3	Bldg 17 Area Center	Mortar, Gray	None Detected		Non Fibrous
17-22	Bldg 17 North	Tar Paper, Black	Chrysotile	40%	Cellulose
17-23	Bldg 17 North	Tar Paper, Black	Chrysotile	10%	Cellulose Non Fibrous
17-24	Bldg 17 North	Ground Debris Materi , Black	Chrysotile	3%	Cellulose Synthetic Fibers Non Fibrous
17-25	Bldg 17 North	Tar Paper, Black	None Detected		Cellulose Fiberglass Non Fibrous
17-26	Bldg 17 -16 North East	Mortar, Gray	None Detected		Non Fibrous
17-27	Bldg 17 -16 North	I Beam Coating, Black	None Detected		Non Fibrous
17-28	Bldg 17 North	Tar Paper, Black	None Detected		Synthetic Fibers Non Fibrous
17-29	Bldg 17 North	Tar Paper, Black	None Detected		Synthetic Fibers Non Fibrous
17-30	Bldg 17 North	Coating, Red	None Detected		Non Fibrous

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Page  
09-GIC-1964

Client #	Sample Location	Material Description	Detection	Composition	
17-31 Layer 1	Bldg 17 Area South	Ceramic Tile, Black	None Detected	Non Fibrous	100%
17-31 Layer 2	Bldg 17 Area South	Plaster, Gray	None Detected	Non Fibrous	100%
17-31 Layer 3	Bldg 17 Area South	Plaster, Gray	None Detected	Non Fibrous	100%
17-32	Bldg 17 Area South	Plaster, Gray	None Detected	Non Fibrous	100%
17-33	Bldg 17 Area South	Tar, Black	None Detected	Cellulose Non Fibrous	30% 70%
17-34	Bldg 17 Area South	Debris, Brown	None Detected	Cellulose Non Fibrous	4% 96%

**ASBESTOS TYPES:****Chrysotile, Crocidolite, Anthophyllite, Tremolite, Amosite, Actinolite**

The samples listed above were suspect of containing asbestos. A result of "Not Detect" means a thorough search using appropriate techniques was conducted and no type of asbestos was discovered. Samples submitted to this facility will be disposed of unless the client requests the samples be returned. Reports will be archived for a period of no more than 3 years. The analysis performed is in accordance with EPA 600/M4-82-020 with a detection limit of 1%. Test results apply only to the samples submitted. It is not our policy to distribute the customer's information without the written consent of the customer. The test report shall not be reproduced except in full, without the written approval of the laboratory. This report may not be used by the above client to claim product certification, approval or endorsement by NIST, National Voluntary Laboratory Accreditation Program or the Federal Government.

*Shawn Kearney*  
 Shawn Kearney  
 Laboratory Director  
 Analyst

*Angela Kearney*  
 Angela Kearney  
 President

# Global Industrial Corp

Client: DIAMOND ENVIRONMENTAL Report #: 09-GIC-1958  
Project: 154 OLIVE ST Date of Receipt: 9/16/2009  
9-0104 Report Date: 9/17/2009  
Date of Analysis: 9/17/2009

Client #	Sample Location	Material Description	Detection	Composition		
18-01 Layer 1	Bldg 18 Area South	Roofing, Black	Chrysotile	3%	Cellulose Non Fibrous	17% 80%
18-01 Layer 2	Bldg 18 Area South	Roofing, Gray	Chrysotile	60%	Cellulose Non Fibrous	30% 10%
18-02 Layer 1	Bldg 18 Area South	Skim Coat, White	None Detected		Non Fibrous	100%
18-02 Layer 2	Bldg 18 Area South	Plaster, White	None Detected		Non Fibrous	100%
18-03 Layer 1	Bldg 18 Area South	Ceramic Tile, Black	None Detected		Non Fibrous	100%
18-03 Layer 2	Bldg 18 Area South	Plaster, Gray	None Detected		Non Fibrous	100%
18-03 Layer 3	Bldg 18 Area South	Plaster, Gray	None Detected		Non Fibrous	100%
18-04	Bldg 18 Area South	Pipe Coating, Black	Chrysotile	<1%	Cellulose Non Fibrous	1% 98%
18-05	Bldg 18 Area South	Beam Coating, Brown	None Detected		Non Fibrous	100%
18-06	Bldg 18 Area South	Debris Material, Black	Chrysotile	<1%	Cellulose Fiberglass Non Fibrous	9% 5% 85%

Client #	Sample Location	Material Description	Detection	Composition	
18-07	Bldg 18 Area South	Pad Coating, Black	Chrysotile	2%	Cellulose Non Fibrous 1% 97%
18-08	Bldg 18 Area South East	Beam Coating, Brown	None Detected	Non Fibrous	100%
18-09	Bldg 18 Area South East	Wire Insulation, White	None Detected	Cellulose Non Fibrous	8% 94%
18-10	Bldg 18 Area South East	Ceramic Conduit, Gray	None Detected	Non Fibrous	100%
18-11	Bldg 18 Area South	Debris Material, Gray	None Detected	Cellulose Synthetic Fibers Mineral Wool Non Fibrous	30% 10% 20% 40%
18-12 Layer 1	Bldg 18 Area Center	Brick, Red	None Detected	Non Fibrous	100%
18-12 Layer 2	Bldg 18 Area Center	Mortar, Gray	None Detected	Non Fibrous	100%
18-13 Layer 1	Bldg 18 Area Center	Roofing, Black	None Detected	Cellulose Non Fibrous	20% 80%
18-13 Layer 2	Bldg 18 Area Center	Roofing, Gray	None Detected	Fiberglass Non Fibrous	10% 90%
18-13 Layer 3	Bldg 18 Area Center	Roofing, Gray	None Detected	Cellulose Non Fibrous	60% 40%
18-15	Bldg 18 Area North	Tar, Black	None Detected	Fiberglass Non Fibrous	7% 93%
18-14	Bldg 18 Area Center	Fiberboard, Gray	Chrysotile	60%	Cellulose 40%
18-16	Bldg 18 Area North	Electrical Insulations, Gray	None Detected	Non Fibrous	100%
18-17	Bldg 18 Area North	Tar, Black	Chrysotile	2%	Cellulose Non Fibrous 1% 97%

Client #	Sample Location	Material Description	Detection	Composition		
18-18	Bldg 18 Area North	Window Caulking, Gray	Chrysotile	<1%	Cellulose Non Fibrous	3% 96%
18-19	Bldg 18 Area North	Electrical Wiring, White	None Detected		Fiberglass	100%
18-20	Bldg 18 Area North	Window Caulking, Gray	None Detected		Non Fibrous	100%
18-21	Bldg 18 Area North	Tar Coating, Black	None Detected		Synthetic Fibers Non Fibrous	40% 60%
18-22 Layer 1	Bldg 18 Area North	Roofing, Black	Chrysotile	3%	Non Fibrous	87%
18-22 Layer 2	Bldg 18 Area North	Paper, Gray	Chrysotile	75%	Cellulose	25%
18-22 Layer 3	Bldg 18 Area North	Roofing, Black	Chrysotile	5%	Cellulose Non Fibrous	5% 95%
18-23	Bldg 18 Area North Of Wall	Window Caulking, Gray	Chrysotile	<1%	Cellulose Non Fibrous	1% 98%
18-24 Layer 1	Bldg 18 Area North Of Wall	Pipe Wrap, Black	None Detected		Cellulose Non Fibrous	30% 70%
18-24 Layer 2	Bldg 18 Area North Of Wall	Wrap, White	None Detected		Fiberglass	100%
18-25	Bldg 18 Area North Of Wall	Fiberboard, Gray	Chrysotile	30%	Cellulose	70%
18-26	Bldg 18 Area North Of Wall	Beam Coating, White	None Detected		Non Fibrous	100%
18-27	Bldg 18 Area North Of Wall	Tar, Black	None Detected		Fiberglass Non Fibrous	6% 94%
18-28	Bldg 18 Area North Of Wall	Roofing Material, Gray/ Black	Chrysotile	60%	Cellulose	40%
18-29	Bldg 18 Area East	Debris Material, Balck	None Detected		Cellulose Non Fibrous	30% 70%

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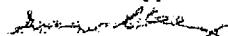
Page 3  
 09-GIC-1958

Client #	Sample Location	Material Description	Detection	Composition
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**ASBESTOS TYPES:**

Chrysotile, Crocidolite, Anthophyllite, Tremolite, Amosite, Actinolite

The samples listed above were suspect of containing asbestos. A result of "Not Detect" means a thorough search using appropriate techniques was conducted and no type of asbestos was discovered. Samples submitted to this facility will be disposed of unless the client requests the samples be returned. Reports will be archived for a period of no more than 3 years. The analysis performed is in accordance with EPA 600/M4-82-020 with a detection limit of 1%. Test results apply only to the samples submitted. It is not our policy to distribute the customer's information without the written consent of the customer. The test report shall not be reproduced except in full, without the written approval of the laboratory. This report may not be used by the above client to claim product certification, approval or endorsement by NIST, National Voluntary Laboratory Accreditation Program or the Federal Government.



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Shawn Kearney  
Laboratory Director  
Analyst

Angela Kearney  
President

# Global Industrial Corp

Client: DIAMOND ENVIRONMENTAL Report #: 08-GIC-1960  
 Project: 154 OLIVE ST Date of Receipt: 9/16/2009  
 9-0104 Report Date: 9/17/2009  
 Date of Analysis: 9/17/2009

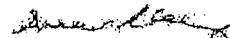
Client #	Sample Location	Material Description	Detection	Composition		
23-01	Bldg 23 Area South	Cabinet Coating, Brown	None Detected	Non Fibrous	100%	
23-02	Bldg 23 Area South	Debris Material, Black	Chrysotile	3%	Cellulose Fiberglass Non Fibrous	7% 10% 80%
23-03	Bldg 23 Area South	Debris Material, Gray	Chrysotile	20%	Cellulose Non Fibrous	20% 60%
23-04	Bldg 23 Area Center	Slate, Black	None Detected	Non Fibrous	100%	
23-05 Layer 1	Bldg 23 Area Center	Brick, Red	None Detected	Non Fibrous	100%	
23-05 Layer 2	Bldg 23 Area Center	Mortar, Tan	None Detected	Non Fibrous	100%	
23-06	Bldg 23 Area Center	Insulation, Black	None Detected	Non Fibrous	100%	
23-07	Bldg 23 Area East	Debris, Brown	None Detected	Cellulose Non Fibrous	7% 83%	
23-08	Bldg 23 Area East	Debris Material, Black	Chrysotile	<1%	Cellulose Non Fibrous	5% 94%
23-09	Bldg 23 Area Southeast	I Beam Coating, Brown	None Detected	Non Fibrous	100%	

Client #	Sample Location	Material Description	Detection	Composition		
23-10	Bldg 23 Area	Floor Tile, Tan (No Adhesive W/Sample)	Chrysotile	8%	Cellulose Non Fibrous	2% 98%
23-11	Bldg 23 Area South	Ceramic Conduit, Gray	None Detected		Non Fibrous	100%
23-12	Bldg 23 Area South	Debris Material, Black	None Detected		Cellulose Non Fibrous	30% 70%
23-13	Bldg 23 Area South	Debris Material, White	None Detected		Non Fibrous	100%
23-14	Bldg 23 Area Southwest	Mortar, Red	None Detected		Non Fibrous	100%
23-15	Bldg 23 Area South	Coating, Red	None Detected		Non Fibrous	100%
23-16	Bldg 23 Area South	Ceramic Conduit, Gray	None Detected		Non Fibrous	100%
23-17	Bldg 23 Area South	Floor Tile, Tan (No Adhesive W/Sample)	Chrysotile	2%	Cellulose Non Fibrous	1% 97%
23-18	Bldg 23 Area West	Stone, Black	None Detected		Fiberglass Non Fibrous	7% 93%
23-19	Bldg 23 Area West	Tar, Black (No Adhesive W/Sample)	Chrysotile	6%	Cellulose Non Fibrous	4% 96%
23-20	Bldg 23 Area West	Roofing, Black	Chrysotile	20%	Cellulose Non Fibrous	20% 80%
23-21 Layer 1	Bldg 23 Area Northwest	Brick, Red	None Detected		Non Fibrous	100%
23-21 Layer 1	Bldg 23 Area Northwest	Mastic, White	None Detected		Non Fibrous	100%

Client #	Sample Location	Material Description	Detection	Composition
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**ASBESTOS TYPES:****Chrysotile, Crocidolite, Anthophyllite, Tremolite, Amosite, Actinolite**

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---

Shawn Kearney  
Laboratory Director  
Analyst

---

Angela Kearney  
President

# Global Industrial Corp

Client: DIAMOND ENVIRONMENTAL Report #: 08-GIC-1962  
 Project: 154 OLIVE ST Date of Receipt: 9/16/2009  
 Report Date: 9/17/2009  
 Date of Analysis: 9/17/2009

Client #	Sample Location	Material Description	Detection	Composition		
CY-01	Courtyard East	Tar, Black	None Detected	Cellulose	6%	Non Fibrous 94%
CY-02	Courtyard East	Debris Material, Gray	Chrysotile	<1%	Cellulose	1% Non Fibrous 98%
CY-03 Layer 1	Courtyard East	TSI Pipe Wrap, Black	None Detected	Cellulose	30%	Non Fibrous 70%
CY-03 Layer 2	Courtyard East	TSI Material, White	None Detected	Fiberglass	100%	
CY-04	Courtyard Northeast Entrance To 15	Debris Material, Gray	Chrysotile	4%	Cellulose	2% Fiberglass 4% Non Fibrous 90%
CY-05	Courtyard Northeast Entrance To 15	Debris Material, Black	Chrysotile	<1%	Cellulose	30% Non Fibrous 68%
CY-06	Courtyard North	Tar Coating, Black	None Detected	Cellulose	20%	Fiberglass 10% Non Fibrous 70%
CY-07	Courtyard North Entrance To 15	Debris Material, White	Chrysotile	30%	Non Fibrous	70%
CY-08	Courtyard North	Coating, Black	None Detected	Non Fibrous	100%	

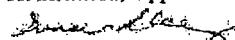
Client #	Sample Location	Material Description	Detection	Composition	
CY-09	Courtyard Center	Roofing, Black	None Detected	Cellulose Non Fibrous	30% 70%
CY-10	Courtyard Center	Debris Material, Gray	None Detected	Cellulose Non Fibrous	2% 98%
CY-11 Layer 1	Courtyard Center	Polymerized Block, Gray	None Detected	Non Fibrous	100%
CY-11 Layer 2	Courtyard Center	Mortar, Gray	None Detected	Non Fibrous	100%
CY-12	Courtyard 13 West	TSI Fitting, White	Chrysotile	5% Cellulose Non Fibrous	5% 90%
CY-13	Courtyard 13 West	Electrical Insulation, White	Chrysotile Amosite	5% 3% Cellulose Non Fibrous	2% 90%
CY-14	Courtyard 13 Northwest	Material, White	None Detected	Fiberglass Non Fibrous	95% 5%
CY-15	Courtyard 13 Pipe Sticking Out of 12	TSI Pipe Insulation, Gray	Chrysotile	5% Cellulose Non Fibrous	15% 80%
CY-16	Courtyard Electrical Box	Electrical Wiring, Tan	None Detected	Non Fibrous	100%
CY-17	Courtyard Electrical Box	Insulator Panel, Black	None Detected	Non Fibrous	100%
CY-18	Courtyard 13 West Near Electrical Box	Debris Material, Black	Chrysotile	<1% Cellulose Non Fibrous	4% 95%
CY-19	Courtyard 13 West Near Electrical Box	Debris Material, Black	Chrysotile	4% Cellulose Non Fibrous	2% 94%

Client #	Sample Location	Material Description	Detection	Composition
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**ASBESTOS TYPES:**

Chrysotile, Crocidolite, Anthophyllite, Tremolite, Amosite, Actinolite

The samples listed above were suspect of containing asbestos. A result of "Non Detect" means a thorough search using appropriate techniques was conducted and no type of asbestos was discovered. Samples submitted to this facility will be disposed of unless the client requests the samples be returned. Reports will be archived for a period of no more than 3 years. The analysis performed is in accordance with EPA 600/M4-82-020 with a detection limit of 1%. Test results apply only to the samples submitted. It is not our policy to distribute the customer's information without the written consent of the customer. The test report shall not be reproduced except in full, without the written approval of the laboratory. This report may not be used by the above client to claim product certification, approval or endorsement by NIST, National Voluntary Laboratory Accreditation Program or the Federal Government.



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Shawn Kearney  
Laboratory Director  
Analyst

Angela Kearney  
President

# Global Industrial Corp

Client: DIAMOND ENVIRONMENTAL Report #: 08-GIC-1981  
 Project: 154 OLIVE ST Date of Receipt: 9/16/2009  
 9-0104 Report Date: 9/17/2009  
 Date of Analysis: 9/17/2009

Client #	Sample Location	Material Description	Detection	<1%	Composition	1%
OS-01	Side Walk Olive St North	Debris Material, Gray	Chrysotile	2%	Cellulose Non Fibrous	98%
OB-02	Side Walk Olive St Center	Debris Material, Gray	Chrysotile	None Detected	Cellulose Non Fibrous	97%
OS-03	Side Walk Olive St Taylor South	Debris Material, Gray	Chrysotile	<1%	Cellulose Non Fibrous	98%
TS-01	Taylor Olive Sidewalk Taylor St	Debris Material, Gray	Chrysotile	2%	Cellulose Non Fibrous	98%
TS-02	Side Walk Taylor St	Debris Material, Gray	Chrysotile	None Detected	Cellulose Non Fibrous	97%
TS-03	Side Walk Taylor St	Debris Material, Gray	Chrysotile	<1%	Cellulose Non Fibrous	98%
TS-04	Side Walk Taylor St	Debris Material, Gray	Chrysotile	<1%	Cellulose Non Fibrous	96%
TS-05	Side Walk Taylor St	Debris Material, Gray	Chrysotile	<1%	Cellulose Non Fibrous	96%
TS-6	Side Walk Taylor St	Debris Material, Gray	Chrysotile	<1%	Cellulose Non Fibrous	97%

Client #	Sample Location	Material Description	Detection	Composition
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**ASBESTOS TYPES:****Chrysotile, Crocidolite, Anthophyllite, Tremolite, Amosite, Actinolite**

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*Shawn Kearney*  
Shawn Kearney  
Laboratory Director  
Analyst

*Angela Kearney*  
Angela Kearney  
President

# Global Industrial Corp

Client: DIAMOND ENVIRONMENTAL Report #: 09-GIC-1959  
Project: 154 OLIVE ST Date of Receipt: 9/16/2009  
9-0104 Report Date: 9/17/2009  
Date of Analysis: 9/17/2009

Client #	Sample Location	Material Description	Detection	Composition	
D-01 Layer 1		Brick, Red	None Detected	Non Fibrous	100%
D-01 Layer 2		Mortar, Gray	None Detected	Non Fibrous	100%
D-02 Layer 1		Floor Tile, Tan	Chrysotile	2%	Non Fibrous
D-02 Layer 2		Mastic, Black	Chrysotile	3%	Non Fibrous
D-03		Insulation, Brown	None Detected	Cellulose	100%
D-04		Roofing Material, Black	Chrysotile	20%	Cellulose Non Fibrous
D-05		Pumice Material, Black	None Detected	Non Fibrous	100%
D-06		Ground Debris, Black	Chrysotile	<1%	Cellulose Non Fibrous
D-07		Plaster, Gray	None Detected	Non Fibrous	100%
D-08 Layer 1		Floor Tile, White	None Detected	Non Fibrous	100%
D-08 Layer 2		Mastic, Yellow	None Detected	Non Fibrous	100%

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NVLAP CODE 200670-0

Client #	Sample Location	Material Description	Detection	Composition		
D-09		Roof Paper, Black	None Detected	Cellulose Non Fibrous	30% 70%	
D-10		Tar Paper, Black/Gray	Chrysotile	45%	Cellulose Non Fibrous	10% 45%
D-11 Layer 1		Floor Tile, Tan	None Detected	Non Fibrous	100%	
D-11 Layer 2		Mastic, Gray	None Detected	Non Fibrous	100%	
D-12		Mortar, Red	None Detected	Non Fibrous	100%	
D-13		I Beam Coating, Black	None Detected	Non Fibrous	100%	
D-14		Ceramic Conduit Material, Gray	None Detected	Non Fibrous	100%	
D-15		Caulking, Clear	None Detected	Non Fibrous	100%	
D-16		Fiberboard, Gray/Brown	Chrysotile	40%	Cellulose	80%
D-17		Slate, Gray	None Detected	Non Fibrous	100%	
D-18		Debris Material, White	None Detected	Non Fibrous	100%	
D-19		Tar, Black	Chrysotile	4%	Cellulose Non Fibrous	1% 95%
D-20 Layer 1		Pipe Wrap, White	None Detected	Fiberglass	100%	
D-20 Layer 2		Wrap, Black	None Detected	Cellulose Non Fibrous	20% 80%	
D-21		Tar Coating Material, Black	None Detected	Cellulose Fiberglass Non Fibrous	7% 13% 80%	

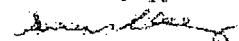
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 Phone (480)497-0280 Fax (480)497-0540  
 NVLAP CODE 20067C-0

Page 2  
 09-GIC-1959

Client #	Sample Location	Material Description	Detection	Composition
D-22		Debris Material, Gray	Chrysotile	<1% Cellulose Non Fibrous 4% 96%

**ASBESTOS TYPES:****Chrysotile, Crocidolite, Anthophyllite, Tremolite, Amosite, Actinolite**

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Shawn Kearney  
Laboratory Director  
Analyst

Angela Kearney  
President

Environmental

Industrial Hygiene

Occupational Safety



# Diamond Environmental

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Phone: (330) 422-0799 • Fax: (330) 422-0798

## APPENDIX E

### Asbestos Containing Materials



# Diamond Environmental

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## LIST OF POSITIVE MATERIAL

### **Buildings 1 – 3**

• Floor Tile	< 1 – 3 %
• Floor Tile Mastic	3 – 4 %
• Brown/Gray Paper Material	10 %
• Black Tar	2 %
• Ground Debris	< 1 - 8 %
• Gray Caulk	4 %

### **Buildings 4 – 7**

• Ground Debris	< 1 – 8 %
• Roof Material	2 – 60 %
• Thermal Insulation	< 1 %

### **Buildings 8**

• Floor Tile	2 – 3 %
• Floor Tile Mastic	2 %
• Gray Paper Material	60 %
• Roof Material	10 %
• Ground Debris	< 1 – 3 %
• Gray Fiberboard	7 %

### **Buildings 9**

• Floor Tile	2 – 3 %
• Floor Tile Mastic	2 %
• Black/Gray Tar Paper	30 %
• Ground Debris	< 1 – 2 %
• Roof Material	< 1 – 20 %
• Thermal Insulation	2 – 3 %

### **Building 15**

• Collapsed Roofing in building	10 %
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# Diamond Environmental

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## Buildings 16, 17, & 19

• Black Tar Paper on Brick	40 %
• Ground Debris	3 %
• Tar on Brick	3 %
• Roofing Material	5 - 10 %

## Buildings 18

• Ground Debris	< 1 %
• Tar on Cement Pad	2 %
• Roofing Material	3 - 60 %
• Thermal Insulation	< 1 %
• Gray Fiberboard	30 - 60 %
• Black Coating on Metal	< 1 %

## Buildings 21, 23

• Floor Tile	2 - 8 %
• Black Tar on Brick	6 %
• Ground Debris	< 1 - 20 %
• Roofing Material	20 %

## Buildings 13, Courtyard

• Ground Debris	< 1 - 4 %
• Thermal Insulation	5 %
• Electrical Insulation	8 %

## Sidewalk Debris

• Gray Debris Material	< 1 - 2 %
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